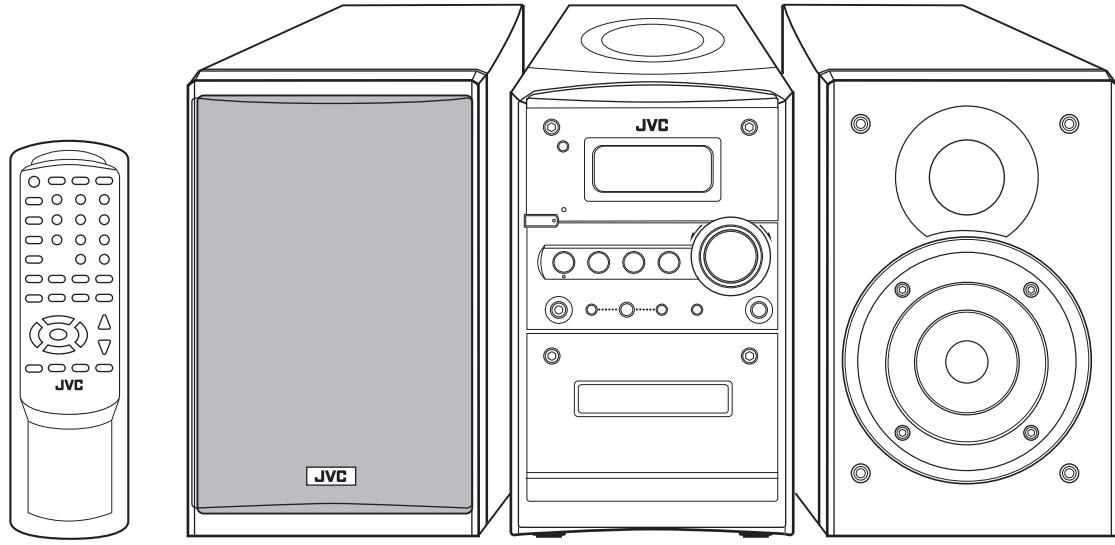


# JVC

## SERVICE MANUAL

MICRO COMPONENT SYSTEM

### UX-S20EN, UX-S20EV



COMPACT  
**disc**  
DIGITAL AUDIO

**Radio Data System**

**MP3**  
PLAYBACK

This UX-S20 is derivative model for Dixon group.

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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## SPECIFICATION

|                   |  |  |
|-------------------|--|--|
| Amplifier Section | Output Power                                 | 25 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion. (IEC268-3) |
|                   | Audio input sensitivity/Impedance (at 1 kHz) | AUX: 500 mV/50 kΩ  |
|                   | Speakers Impedance                           | 4 Ω - 16 Ω   |
| Tuner             | FM tuning range                              | 87.50 MHz - 108.00 MHz   |
|                   | AM (MW) tuning range                         | 522 kHz - 1 629 kHz  |
| CD player         | Dynamic range                                | 85 dB  |
|                   | Signal-to-noise ratio                        | 85 dB  |
|                   | Wow and flutter                              | Immeasurable   |
| Cassette deck     | Frequency response Normal (type I)           | 100 Hz - 10 000 Hz   |
|                   | Wow and flutter                              | 0.35% (WRMS)   |
| General           | Power requirement                            | AC 230 V , 50 Hz   |
|                   | Power consumption                            | 52 W (at operation)<br>1.5 W (on standby)  |
|                   | Dimensions (W/H/D) (approx.)                 | 152 mm × 233 mm × 331 mm   |
|                   | Mass (approx.)                               | 4.5 kg   |
| Speaker Section   | Type   | Full range, bass-reflex type   |
|                   | Speakers                                     | 10 cm cone × 1   |
|                   | Power handling capacity                      | 25 W   |
|                   | Impedance                                    | 4 Ω  |
|                   | Frequency range                              | 100 Hz - 15 kHz  |
|                   | Dimensions (W/H/D) (approx.)                 | 152 mm × 233 mm × 188 mm   |
|                   | Mass (approx.)                               | 1.8 kg each  |

Designs & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

#### (5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).

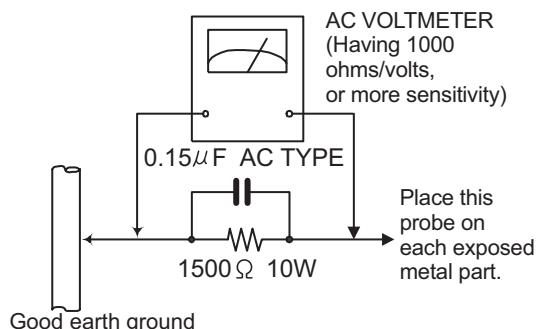
#### • Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



### 1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

### 1.3 Caution

**Burrs formed during molding may be left over on some parts of the chassis.**

**Therefore, pay attention to such burrs in the case of performing repair of this system.**

### 1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (- - -), diode (| |) and ICP (●) or identified by the " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation dose not Except the J and C version)

## 1.5 Important for laser products

### 1.CLASS 1 LASER PRODUCT

#### 2.CAUTION :

(For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.  
 (Others) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

**3.CAUTION :** Visible and/or invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

**4.CAUTION :** This laser product uses visible and/or invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

(For U.S.A.)

**CAUTION :** Visible and/or invisible class II laser radiation when open. Do not stare into beam.

(Others)

**CAUTION :** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments

**ACHTUNG:** Sichtbare und/oder unsichtbare Laserstrahlung der Klasse 1M bei offenen Abdeckungen. Nicht direkt mit optischen Instrumenten betrachten.

**ATTENTION:** Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement avec des instruments optiques.

**VOORZICHTIG:** Zichtbare en/of onzichtbare klasse 1M laserstralen indien geopend. Bekijk niet direct met optische instrumenten.

**ATTENZIONE:** Radiazione laser in classe 1M visibile e/o invisibile quando aperto. Non osservare direttamente con strumenti ottici.

**WARNING:** Synlig och/eller osynlig laserstrålning, klass 1M, när denna del är öppnad. Betrakta ej strålen med optiska instrument.

**VARO!**: Avattaessa olet alittina näkyvälle ja/tai näkymättömälle luokan 1M lasersateilylle. Älä tarkastele sitä optisen laitteen läpi.

**ADVARSEL:** Synlig og/eller usynlig klasse 1M-laserstråling ved åbning. Se ikke direkte med optiske instrumenter.

**AVISO:** Radiación láser de clase 1M visible y/o invisible cuando está abierto. No mirar directamente con instrumental óptico.

**PRECAUÇÃO:** Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe directamente com instrumentos ópticos.

**5.CAUTION :** If safety switches malfunction, the laser is able to function.

**6.CAUTION :** Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.



**CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

**PRECAUÇÃO:** Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe diretamente com instrumentos ópticos.

**ПРЕДУПРЕЖДЕНИЕ:** В открытом состоянии происходит видимое и/или невидимое излучение лазера класса 1М. Не смотрите непосредственно в оптические инструменты.

**UWAGA:** Otwarcie spowoduje narażenie na widzialne i/lub niewidzialne promieniowanie lasera klasy 1M. Nie patrzeć bezpośrednio w przyrządy optyczne.

**UPOZORNĚNÍ:** Při otevření vydává viditelné popř. neviditelné laserové ozáření třídy 1M. Nedívajte se do otvoru přímo s optickými nástroji.

**FIGYELMEZETÉS:** Látható és/vagy láthatatlan 1M osztályú sugárzás nyitott állapotban. Ne nézze közvetlenül optikai műszerekkel.

**注意 :** 打開蓋板可能會產生可見或不可見的 1M 級鐳射。  
 不要使用光學儀器直接進行窺視。

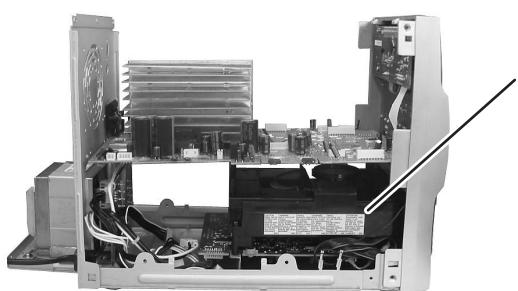
**注意：** 打开盖板可能会产生可见或不可见的 1M 级镭射。  
 不要使用光学仪器直接进行窥视。

**تنبيه:** يوجد إشعاع ليزري مرئي أو غير مرئي من الفئة 1M عندما يكون الجهاز مفتوحاً. يجب النظر مباشرة داخل الجهاز باستخدام أدوات بصريّة.

**احتیاط:** هنگامی که باز گردد، تشعشع مرئی و یا نامرئی کلاس 1M لیزر وجود دارد. با لوازم چشمی مستقیماً به آن نگاه نکنید.

**주의:** 개방하면 가시 및/또는 비가시 클래스 1M 레이저 방사선이 나옵니다. 광학 기구로 직접 들여다보지 마십시오.

## REPRODUCTION AND POSITION OF LABELS and PRINT WARNING LABEL and PRINT



| CAUTION<br>VISIBLE AND/OR<br>INVISIBLE CLASS 1M<br>Laser RADIATION<br>WHEN OPEN. DO NOT<br>VIEW DIRECTLY WITH<br>OPTICAL INSTRUMENTS<br>IEC60825-1:2001<br>(ENG) | ATTENTION<br>RAYONNEMENT LASER<br>VISIBLE ET/OU<br>INVISIBLE DE CLASSE<br>1M UNE FOIS OUVERT.<br>NE PAS REGARDER<br>DIRECTEMENT AVEC<br>DES INSTRUMENTS<br>OPTIQUES. | AVISO<br>RADIACIÓN LÁSER<br>VISIBLE Y/O INVISIBLE<br>DE CLASE 1M<br>CUANDO ESTA<br>ABIERTO. NO MIRAR<br>DIRECTAMENTE<br>CON INSTRUMENTO<br>OPTICO. | VARNING<br>SYNLIG OCH/ELLER<br>OSYNLIG LASERSTRÄLNING,<br>DEL ÅR OPPNADE.<br>BETRAKTA EJ<br>STRÅLEN MED OPTISKA<br>INSTRUMENT. | 注意<br>ここを開くと可視<br>及び不可視のクラス 1M<br>レーザー輻射が<br>出ます。<br>光学装置で直接<br>見ないでください。<br>(JPN) | CAUTION<br>VISIBLE AND/OR<br>INVISIBLE CLASS II<br>LASER RADIATION<br>WHEN OPEN.<br>DO NOT STARE<br>INTO BEAM.<br>FDA 21 CFR (ENG)<br>LV44603-003A |
|--|--|--|--|--|--|
|--|--|--|--|--|--|

## **SECTION 2 SPECIFIC SERVICE INSTRUCTIONS**

### **2.1 Difference point of UX-G4 and UX-S20**

- (1) Main body color
- (2) Main body RDS logo mark
- (3) RDS indication of remote control  
RDS SEARCH → PTY SEARCH  
RDS MODE → PS/PTY/RT
- (4) Speaker saran net

## **SECTION 3 DISASSEMBLY**

This service manual does not describe DISASSEMBLY.

## **SECTION 4 ADJUSTMENT**

This service manual does not describe ADJUSTMENT.

## **SECTION 5 TROUBLESHOOTING**

This service manual does not describe TROUBLESHOOTING.

The JVC logo consists of the letters "JVC" in a bold, black, sans-serif font. The "J" and "V" are connected vertically, while the "C" is separate but aligned with the "J".

Victor Company of Japan, Limited  
Audio/Video Systems Category 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB538)

 Printed in Japan  
VPT

# JVC

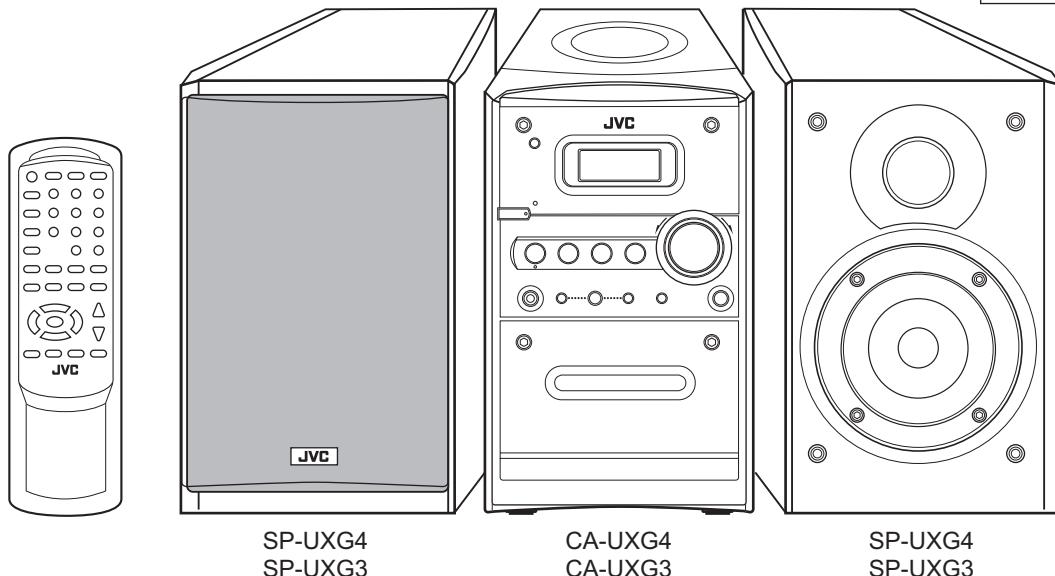
## SERVICE MANUAL

### MICRO COMPONENT SYSTEM

### UX-G3, UX-G4

#### Area suffix

|          |                    |
|----------|--------------------|
| B -----  | U.K.               |
| E -----  | Continental Europe |
| EN ----- | Northern Europe    |
| EV ----- | Eastern Europe     |



COMPACT  
disc  
DIGITAL AUDIO

MP3  
PLAYBACK

RDS

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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| 4 ADJUSTMENT .....                    | 1-17 |
| 5 TROUBLESHOOTING .....               | 1-20 |

## SPECIFICATION

|                   |  |  |
|-------------------|--|--|
| Amplifier Section | Output Power                                 | 25 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion. (IEC268-3) |
|                   | Audio input sensitivity/Impedance (at 1 kHz) | AUX: 500 mV/50 kΩ  |
|                   | Speakers Impedance                           | 4 Ω - 16 Ω   |
| Tuner             | FM tuning range                              | 87.50 MHz - 108.00 MHz   |
|                   | AM (MW) tuning range                         | 522 kHz - 1 629 kHz  |
| CD player         | Dynamic range                                | 85 dB  |
|                   | Signal-to-noise ratio                        | 85 dB  |
|                   | Wow and flutter                              | Immeasurable   |
| Cassette deck     | Frequency response Normal (type I)           | 100 Hz - 10 000 Hz   |
|                   | Wow and flutter                              | 0.35% (WRMS)   |
| General           | Power requirement                            | AC 230 V , 50 Hz   |
|                   | Power consumption                            | 52 W (at operation)<br>1.5 W (on standby)  |
|                   | Dimensions (W/H/D) (approx.)                 | 152 mm × 233 mm × 331 mm   |
|                   | Mass (approx.)                               | 4.5 kg   |
| Speaker Section   | Type   | Full range, bass-reflex type   |
|                   | Speakers                                     | 10 cm cone × 1   |
|                   | Power handling capacity                      | 25 W   |
|                   | Impedance                                    | 4 Ω  |
|                   | Frequency range                              | 100 Hz - 15 kHz  |
|                   | Dimensions (W/H/D) (approx.)                 | 152 mm × 233 mm × 188 mm   |
|                   | Mass (approx.)                               | 1.8 kg each  |

Designs & specifications are subject to change without notice.

# SECTION 1

## PRECAUTIONS

### 1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
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- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

#### (5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).

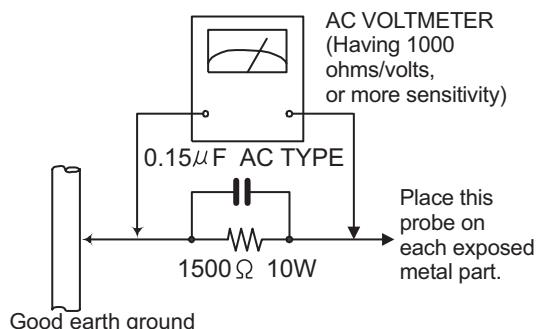
#### • Alternate check method

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Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



### 1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

### 1.3 Caution

**Burrs formed during molding may be left over on some parts of the chassis.**

**Therefore, pay attention to such burrs in the case of performing repair of this system.**

### 1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (- - -), diode (| |) and ICP (●) or identified by the " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation dose not Except the J and C version)

## **1.5 Safety Precautions (U.K only)**

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
- (2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
- (3) Essential safety critical components are identified by (  $\Delta$  ) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

### **1.5.1 Warning**

- (1) Service should be performed by qualified personnel only.
- (2) This equipment has been designed and manufactured to meet international safety standards.
- (3) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (4) Repairs must be made in accordance with the relevant safety standards.
- (5) It is essential that safety critical components are replaced by approved parts.
- (6) If mains voltage selector is provided, check setting for local voltage.



**CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

## **SECTION 2**

### **SPECIFIC SERVICE INSTRUCTIONS**

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

## SECTION 3 DISASSEMBLY

### 3.1 Main body

#### 3.1.1 Removing the front panel assembly (See Fig.1 to 6)

- (1) From the back of the body, remove the two screws A, the two screws B and the two screws D attaching the front panel assembly.
- (2) Remove the six screws E on both sides of the body.
- (3) Remove the screw F on the bottom of the body.
- (4) Move the front panel assembly in the direction of the arrow and remove. Disconnect connector [CN402](#), [CON801](#) on the main board.

#### Caution:

When reassembling the front panel assembly, fit the right and left joints a to the notch.

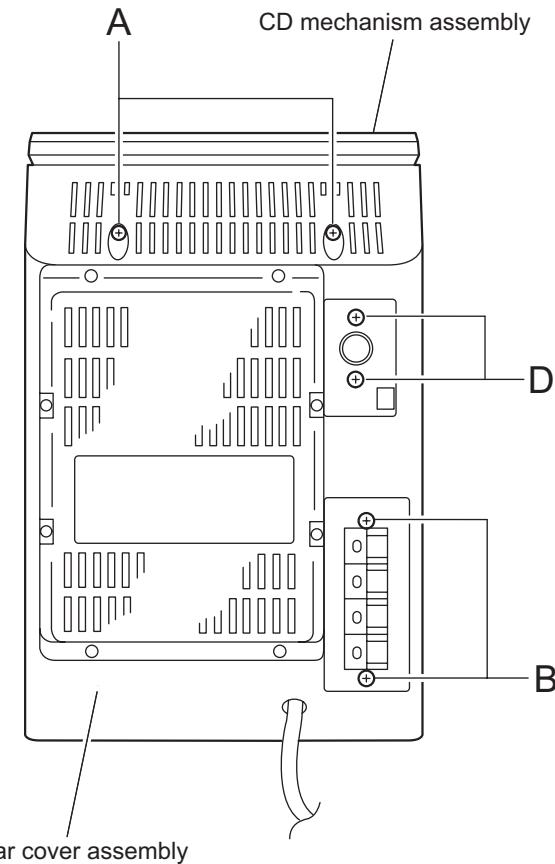


Fig.1

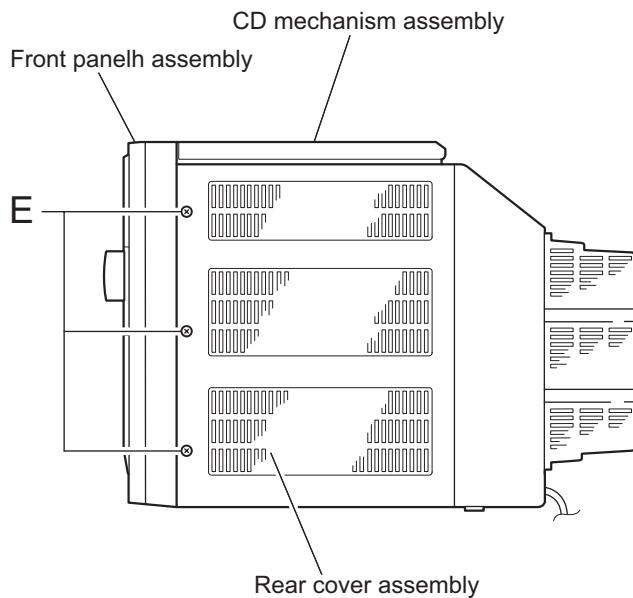


Fig.2

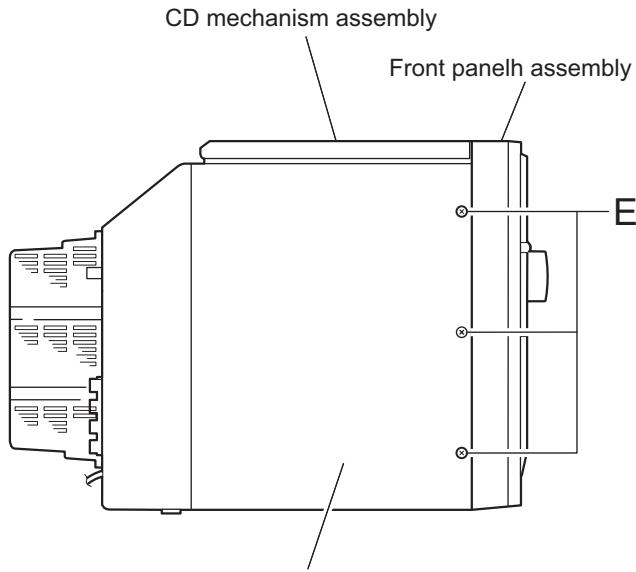


Fig.3

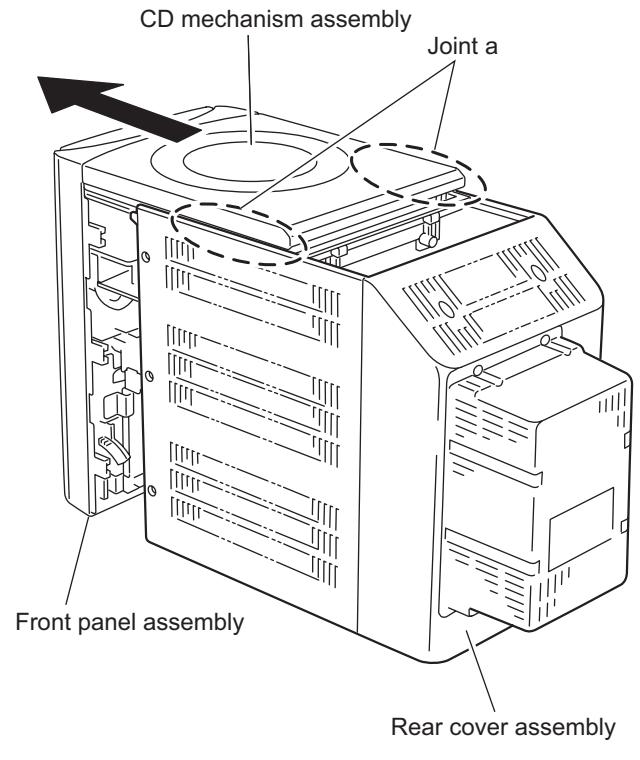


Fig.5

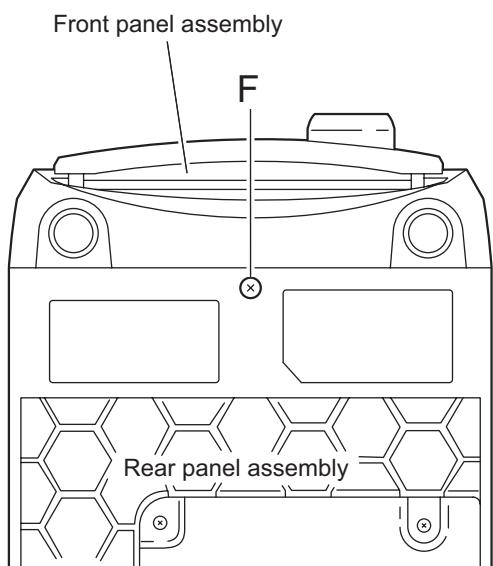


Fig.4

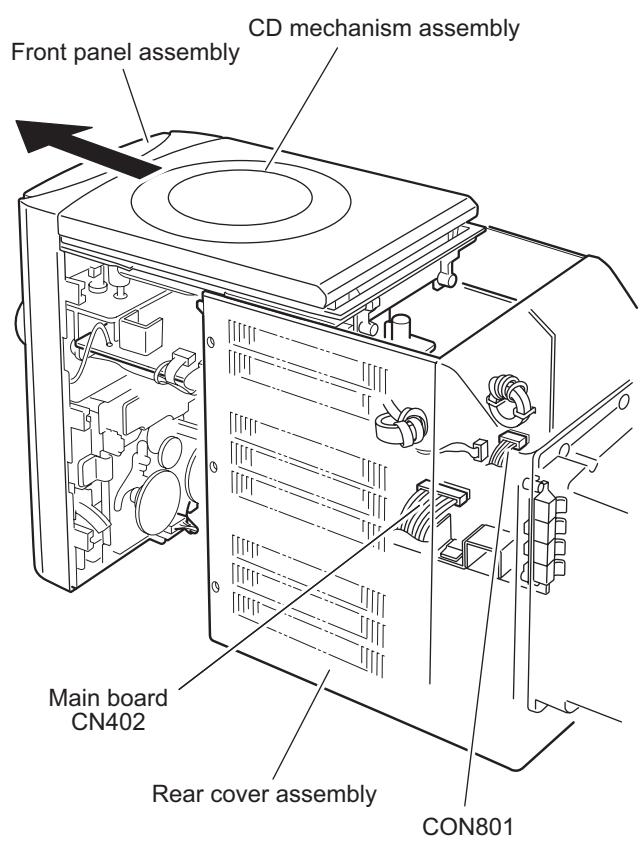


Fig.6

### 3.1.2 Removing the main board

(See Fig.7, 8)

- Prior to performing the following procedure, remove the front panel assembly.
- (1) Disconnect the wire from all connectors on the main board.
- (2) Disconnect the wire from the two connectors on the cassette mechanism assembly.
- (3) Release the three bands attaching the wire to the main board.
- (4) Remove the two screws G from the front panel assembly. Release the joint b.

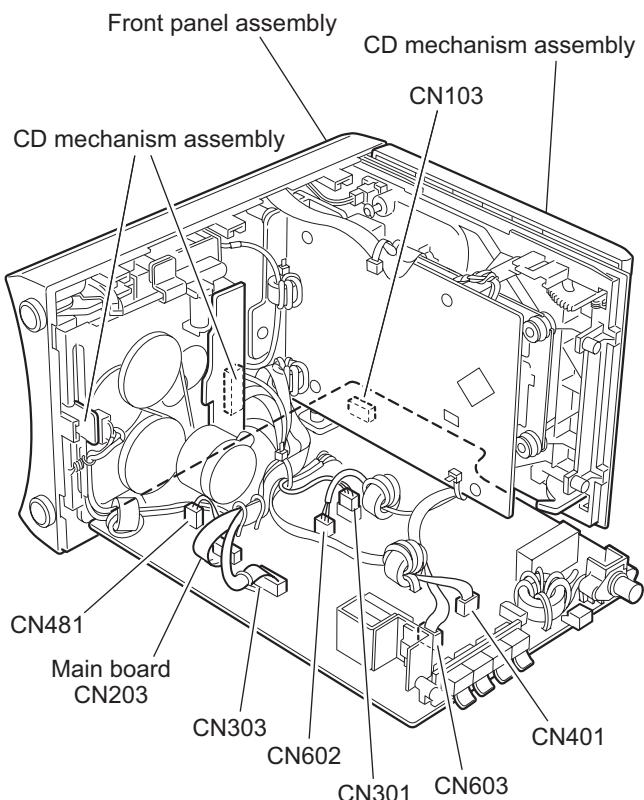


Fig.7

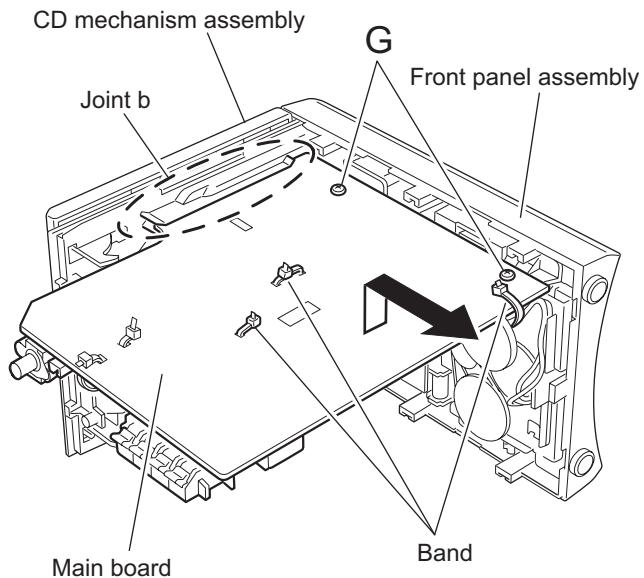


Fig.8

### 3.1.3 Removing the CD mechanism assembly

(See Fig.9, 10)

- Prior to performing the following procedure, remove the front panel assembly and the main board.
- (1) Remove the three bands attaching the wire.
- (2) Disconnect the connector from the CD door switch. Disconnect the wire from connector CN603 and CN606 on the CD mechanism board.
- (3) Disconnect the wire soldered on the CD mechanism board.
- (4) Remove the three screws H attaching the CD mechanism assembly.
- (5) Release the joints d to remove the CD mechanism assembly from the front panel assembly.

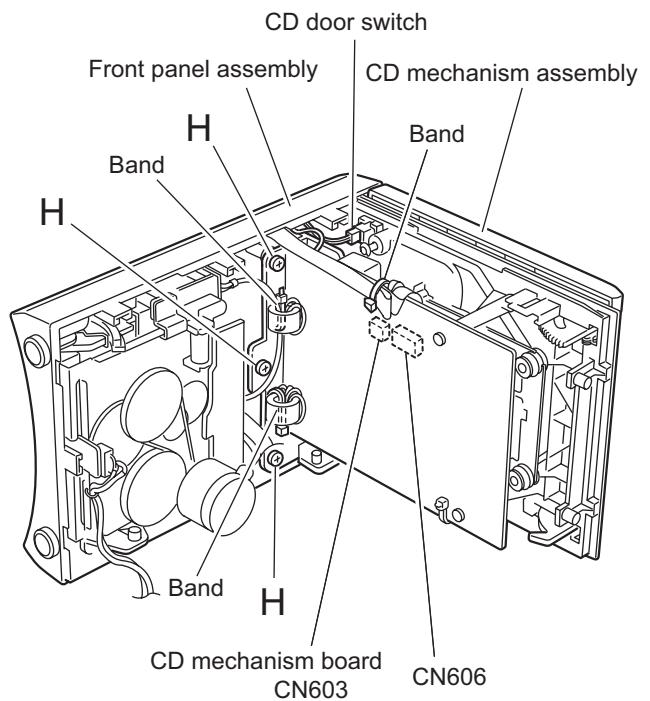


Fig.9

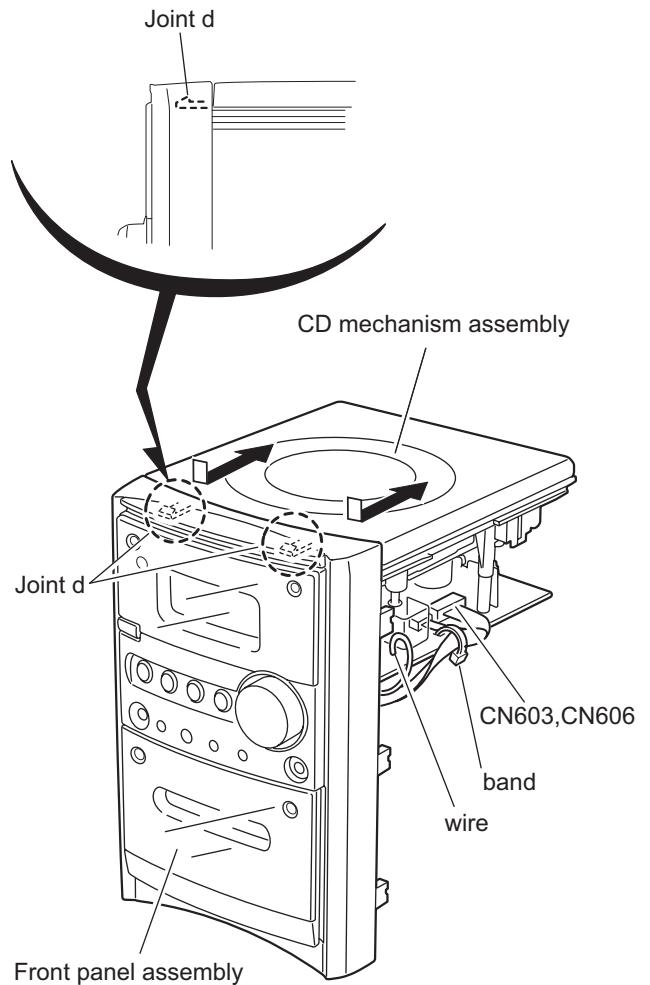


Fig.10

### 3.1.4 Removing the CD mechanism assembly

(See Fig.11 to 13)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.

#### Caution:

Before disconnecting the card wire from connector [CN601](#) on the CD mechanism board and from CD pickup board, solder the short-circuit point on the CD pickup board. If you do not follow this instruction, the pickup may be damaged.

- (1) Disconnect the wire from connector on the CD motor board.
- (2) Remove the four screws J attaching the CD mechanism board.
- (3) Move the CD mechanism board temporarily as shown in Fig.12.
- (4) Remove the screw K attaching the wire to the CD mechanism.
- (5) Solder the short-circuit point on the CD pickup board.
- (6) Disconnect the card wire from connector [CN601](#) on the CD mechanism board.

#### Caution:

Make sure to unsolder the short-circuit point after reconnecting the card wire to the CD pickup board and to connector [CN601](#) on the CD mechanism board.

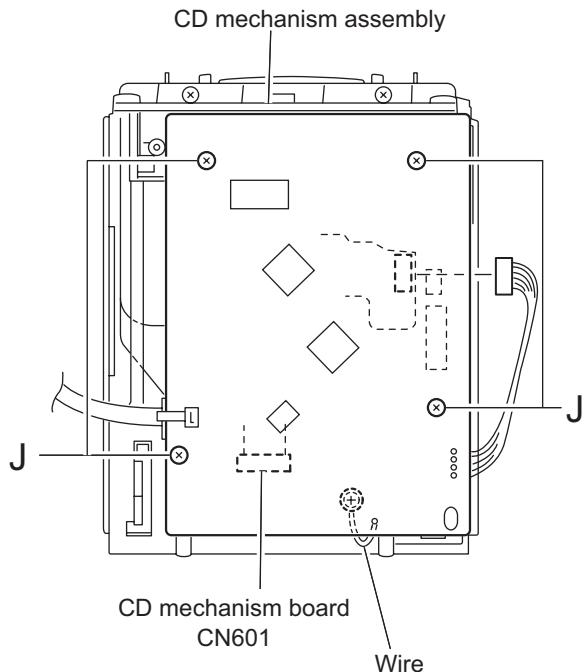


Fig.11

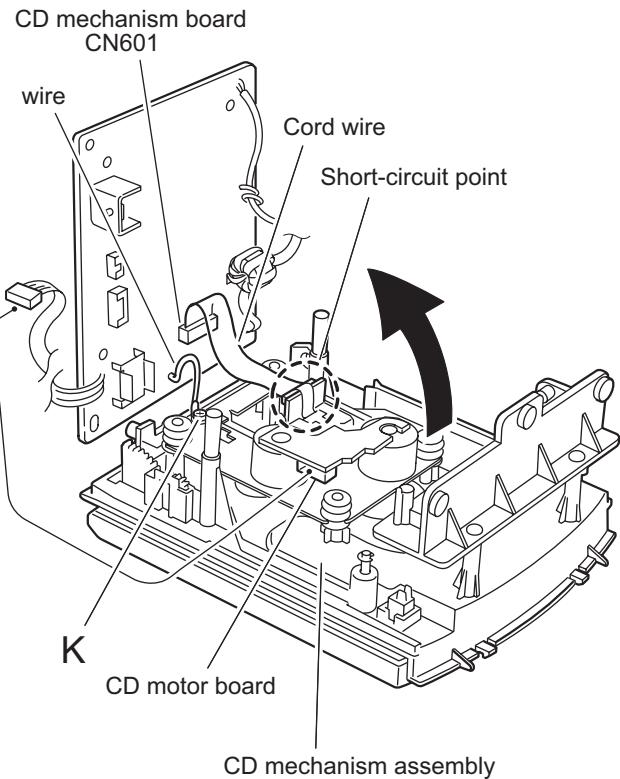


Fig.12

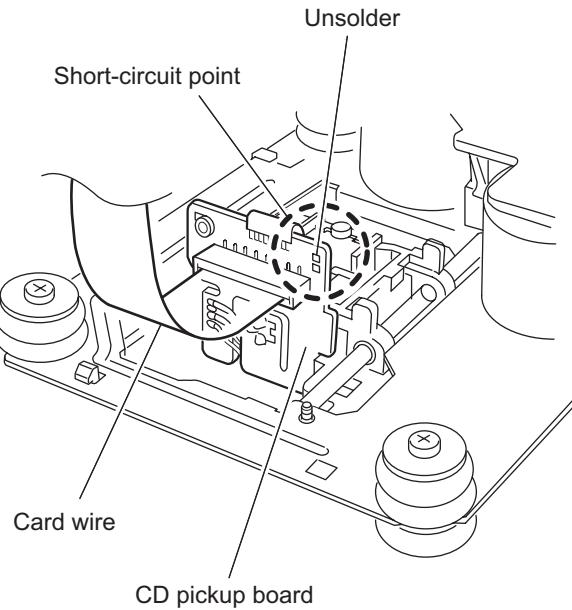


Fig.13

### 3.1.5 Removing the CD mechanism

(See Fig.14)

- Prior to performing the following procedure, remove the front panel assembly, the main board, the CD mechanism assembly and the CD mechanism board.

(1) Remove the four screws M attaching the CD mechanism.

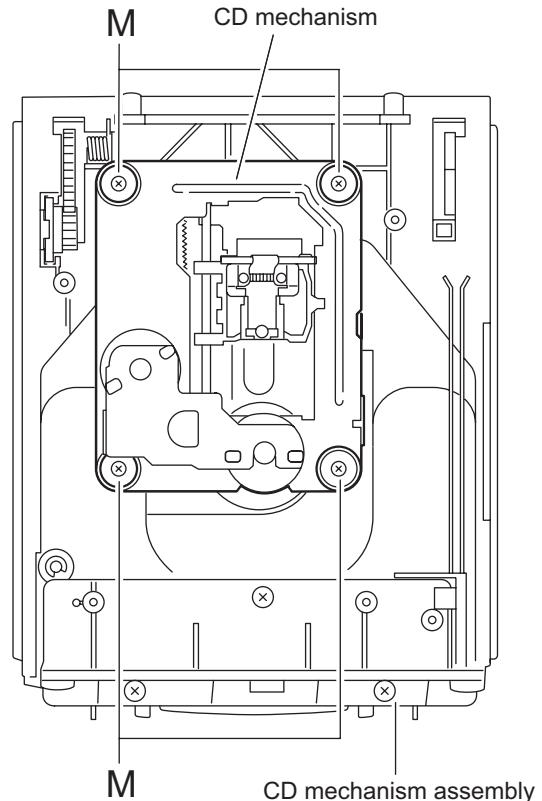


Fig.14

### 3.1.6 Removing the headphone board/ AUX board

(See Fig.15)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.

(1) Remove the screw N attaching the headphone board.

(2) Remove the screw P attaching the AUX board.

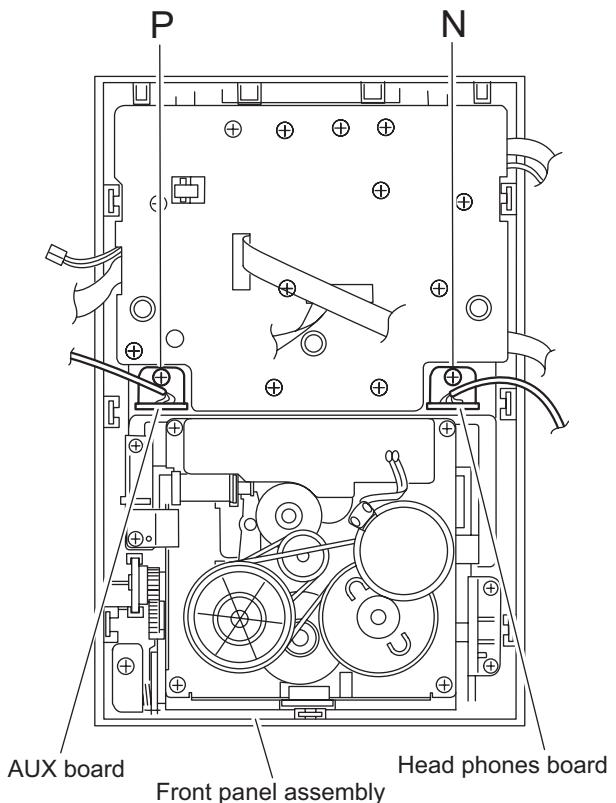


Fig.15

### 3.1.7 Remove the LCD board

(See Fig.16, 17)

- Prior to performing the following procedure, remove the front panel assembly, the main board and the CD mechanism assembly.

(1) From the front panel, pull out the volume knob and remove the nut and the washer.

(2) Remove the twelve screws Q attaching the LCD board.

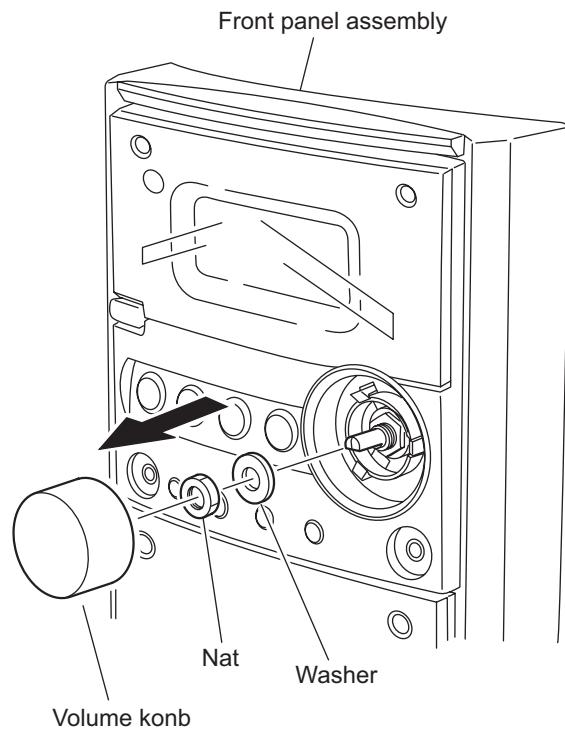


Fig.16

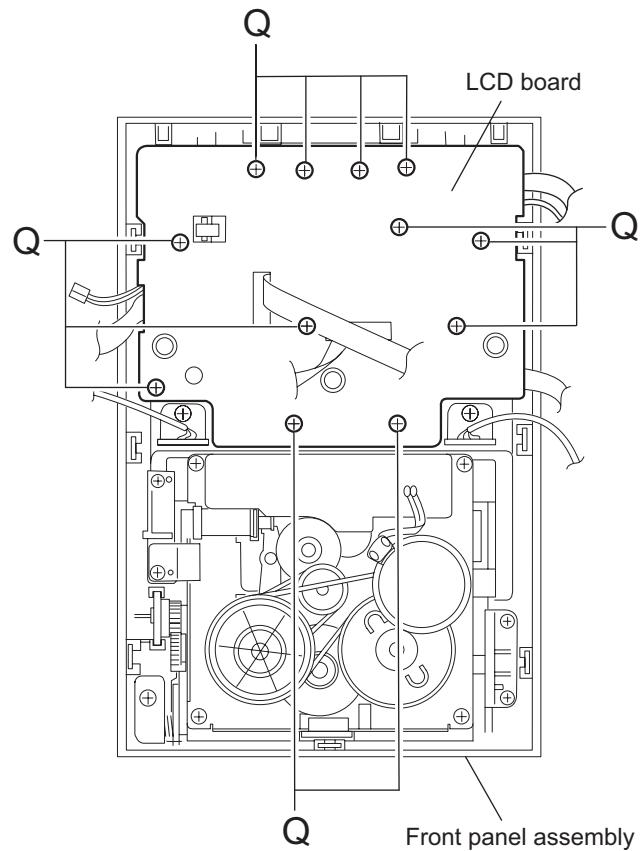


Fig.17

### 3.1.8 Removing the cassette mechanism assembly

(See Fig.18, 19)

- Prior to performing the following procedure, remove the front panel assembly and the main board.
- (1) Push 'PUSH OPEN' on the front panel to open the cassette door.
- (2) Remove the screw R attaching the bracket of the cassette mechanism assembly.
- (3) Remove the two screws T and the two screws U attaching the cassette mechanism assembly.

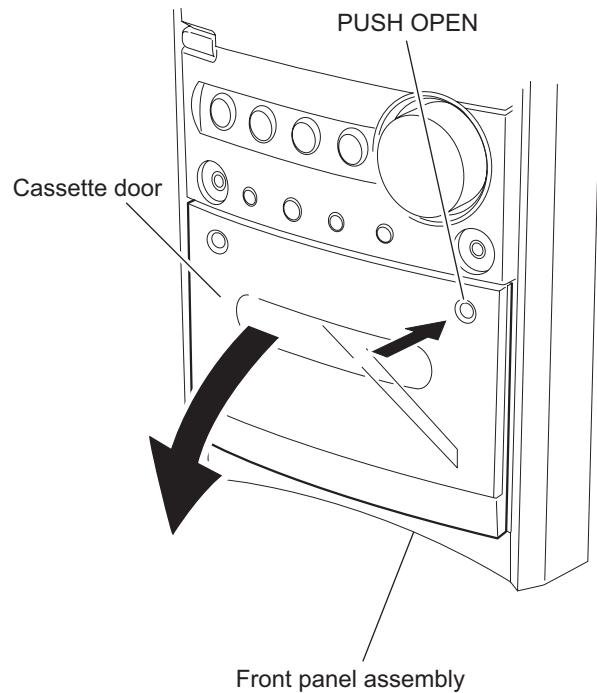


Fig.18

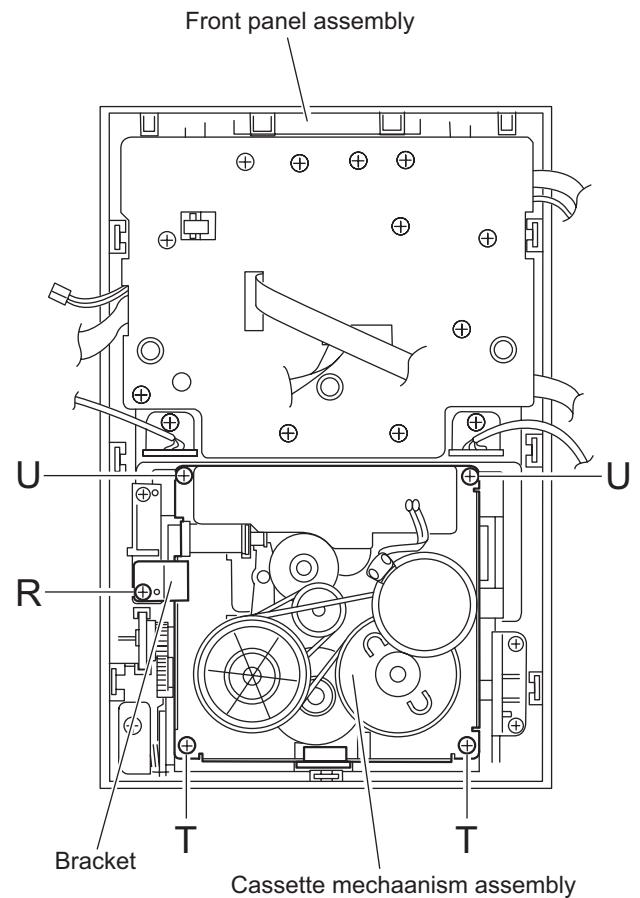


Fig.19

### 3.1.9 Removing the heat sink/power board

(See Fig.20 to 25)

- Prior to performing the following procedure, remove the front panel assembly.
- (1) Remove the four screws Y attaching the holder in the power unit section.
- (2) Move the power unit section with the wire from the rear cover temporarily. If necessary, release the band and unsolder the wire on the power board.
- (3) Remove the four screws A' and the two screws B' attaching the holder.
- (4) Remove the three bands on the wire extending from the power board (part e). Move the holder in the direction of the arrow to detach from the joint f.
- (5) Remove the four screws D' and screw E' attaching the heat sink.

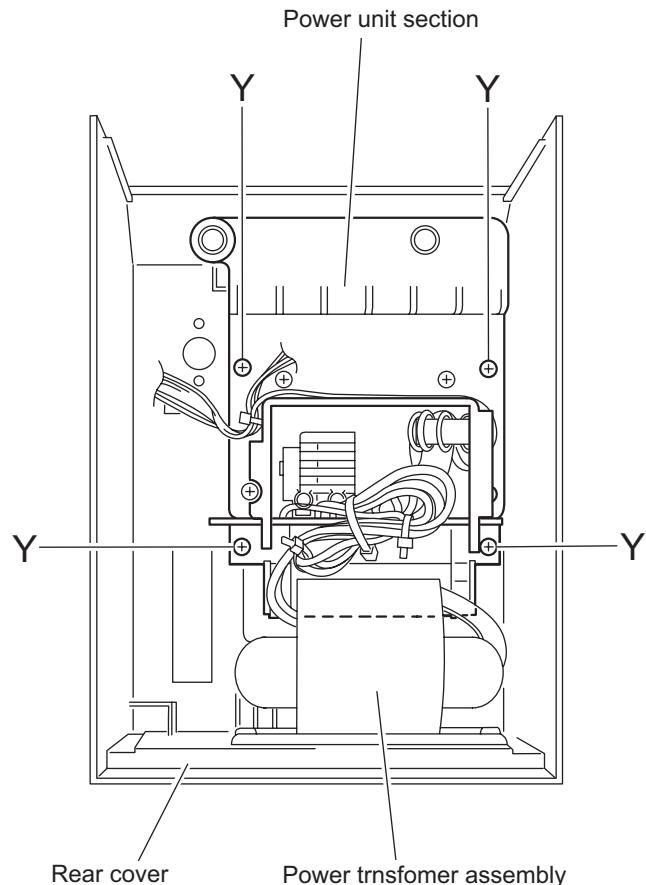


Fig.20

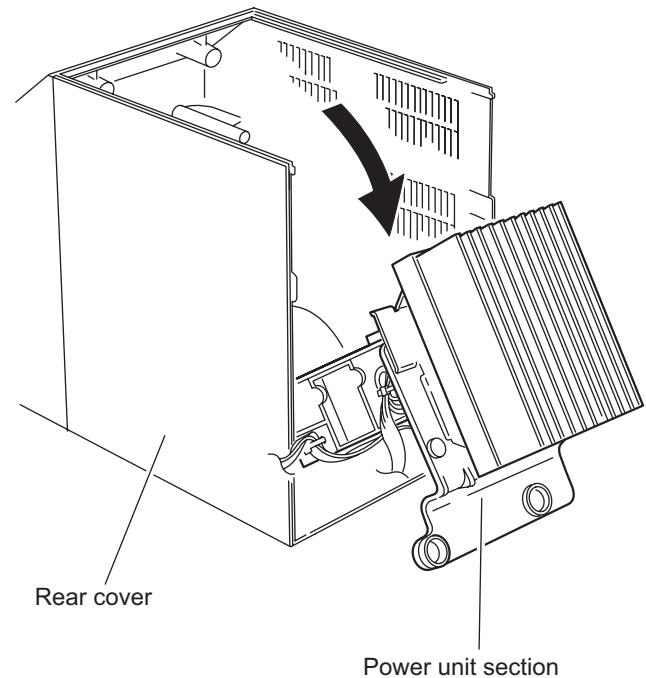


Fig.21

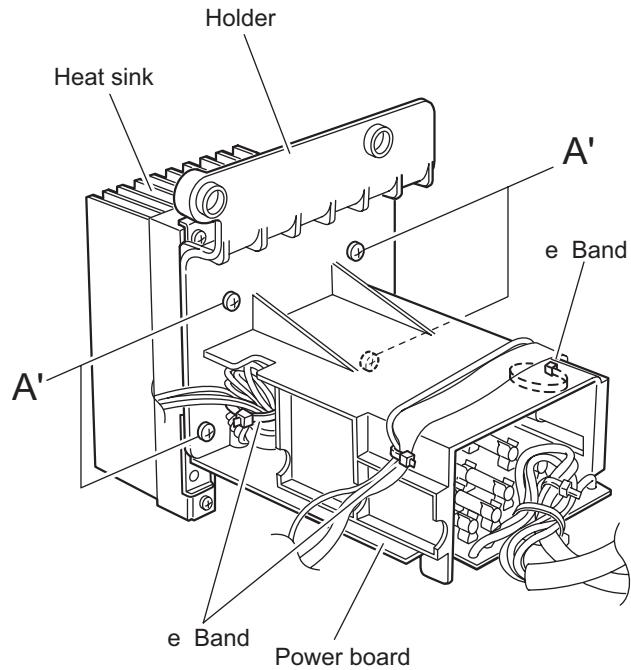


Fig.22

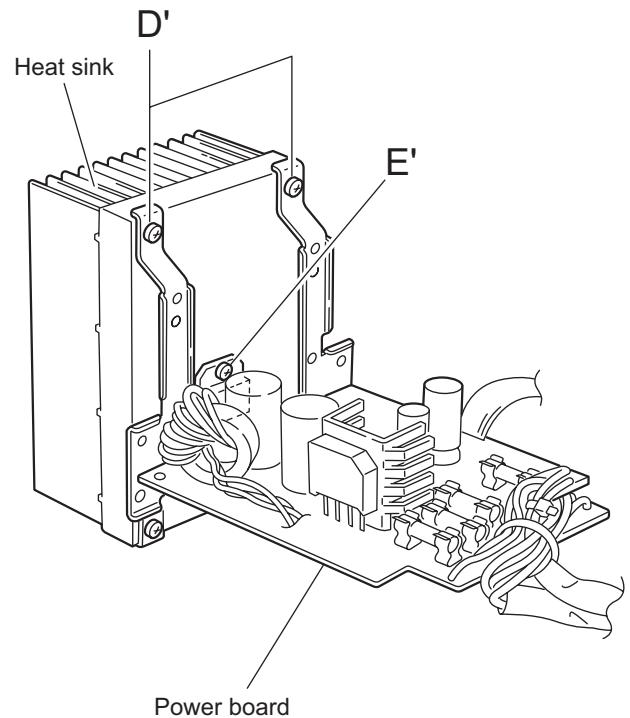


Fig.24

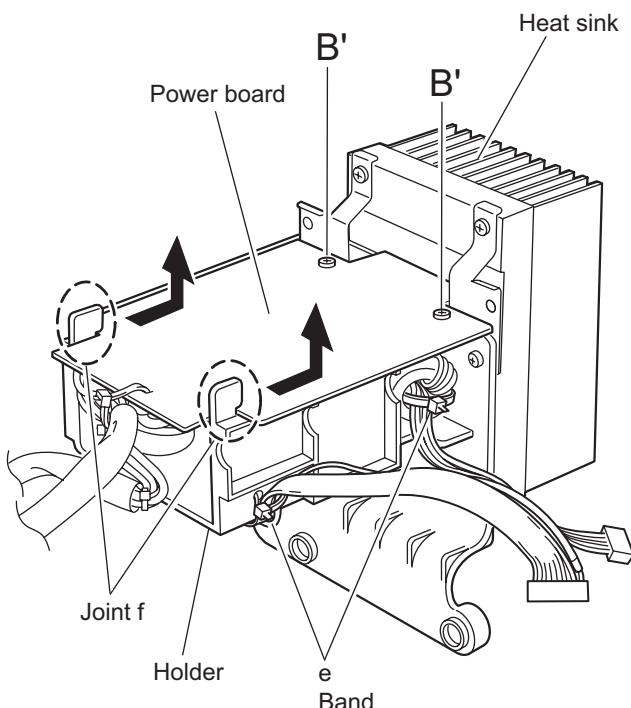


Fig.23

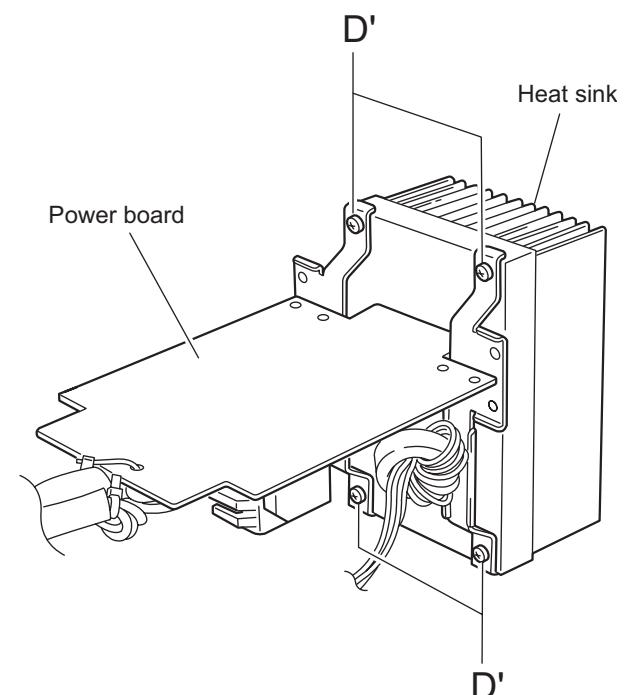


Fig.25

### 3.1.10 Removing the power transformer assembly

(See Fig.26, 27)

- Prior to performing the following procedure, remove the front panel assembly and the power unit section.
- (1) Remove the four screws F' attaching the power transformer assembly. The bracket comes off at the bottom of the rear cover.
- (2) Remove the screw G' attaching the power cord folder.
- (3) Remove the two screws H' attaching the AC connect board.

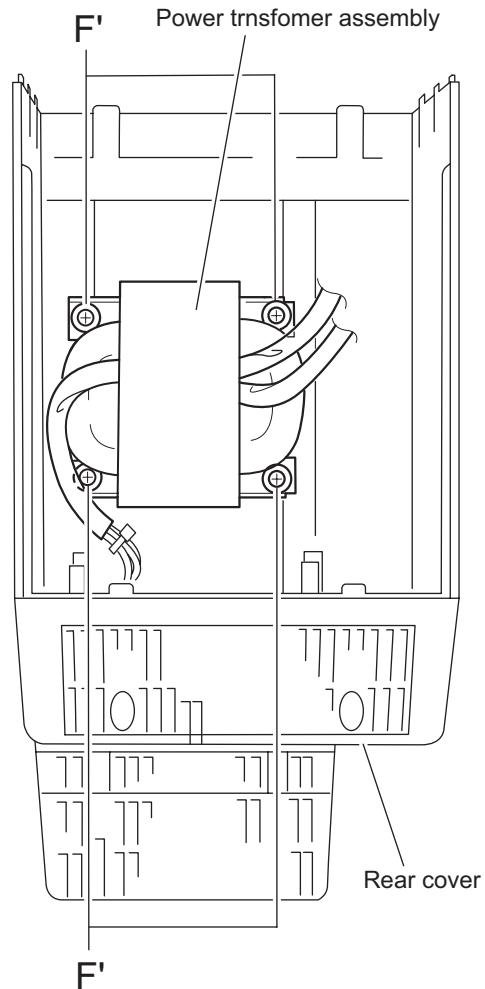


Fig.26

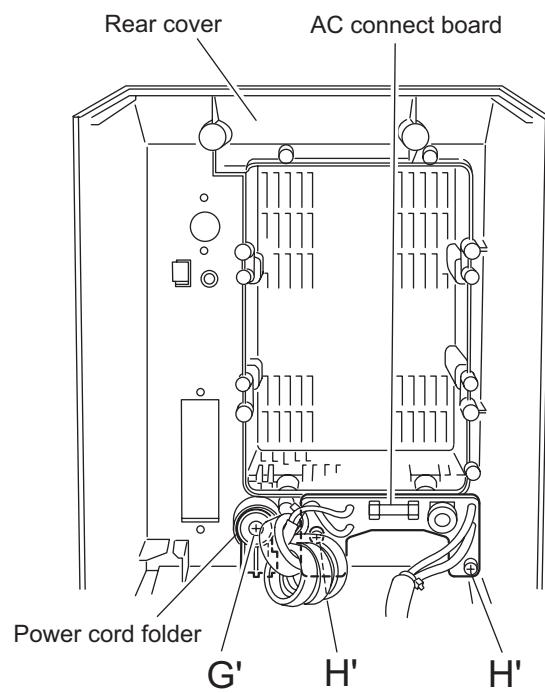


Fig.27

## **SECTION 4 ADJUSTMENT**

### **4.1 Measuring instructions required for adjustment**

- AM signal generator
- FM signal generator
- Inter mediate frequency sweep generator
- FM stereo signal generator
- Low-frequensy oscillator (osillation frequency 50 Hz - 20 kHz, 0 dB output with 600 Ω impedance)
- Attenuator (600 Ω impedance)
- Electoronic voltmeter
- Distortion meter
- Torque gauge (cassette for CTG-N)
- Wow & flutter meter
- Frequency counter meter

### **4.2 Test tape**

- Playback tape
  - VT712 (tape speed, wow flutter)
  - VT724 (reference level)
  - VT703L (head azimuth)
  - VT738 (frequency responce)
- Recording tape
  - AC225 (type I)
- Power supply voltage
  - AC230V 50Hz

### **4.3 Measuring instruments**

- Radio section
  - FM : 1 kHz, 22.5kHz deviation
  - FM stereo : 1 kHz, 67.5 kHz deviation, pilot signal 7.5 kHz
  - AM : 1 kHz, 30% modulation
  - Reference output : 0 dB (1 V) 4 Ω
  - Headphone output : -10 dB (0.1V) 32 Ω

### **4.4 Amplifier section**

- Reference output :
  - Speaker output 0 dB (1 V) / 4 Ω
  - Headphone output -10 dB (0.1 V) / 32 Ω

### **4.5 CD section**

- Test disc :
  - CTS-1000 (JVC)
  - TCD-731R (A-BEX)
  - TCD-712R (A-BEX)
  - TCD-785 (A-BEX)

#### 4.6 Cassette amplifier section

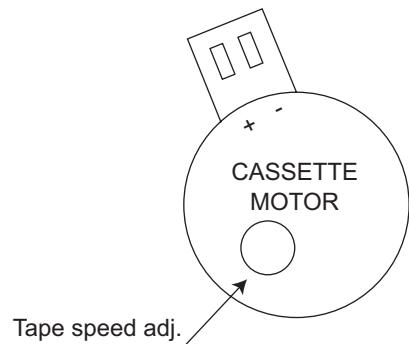
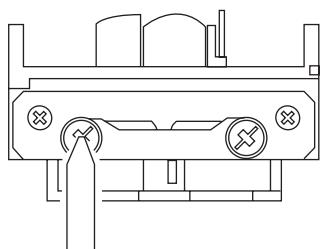
| Item  | Measuring condition   | Check and adjustment procedure   | Standard value   | Adjusting part  |
|---|---|--|--|---|
| Head azimuth adjustment                         | Test tape : VT703<br>Signal output terminal : PHONES<br>(with 32 ohm load)  | 1.Plyback the test tape VT703.<br>2.Adjust the head azimuth adjusting screw so that the phase difference between the R and L channels is minimized at an output level that is within +/- 2dB of the maximum output level.<br>After this adjustment, lock the head azimuth adjusting screw with screw sealant to cover more than a half of the screw head.<br>3.When the head azimuth is maladjusted, correct it with the head azimuth adjusting screw. | Output level : within +/-2dB of maximum output level<br><br>Phase defference L and R channels: minimum | Head azimuth adjusting screw (to be used only after head replacement) |
| Tape speed and wow/flutter check and adjustment | Test tape : VT712<br>Signal output terminal : PHONES<br>(with 32 ohm load)  | 1.Plyback the test tape VT712 by the end of position.<br>2.Connect a frequency counter and check that it reads between 2940 and 3090 Hz. If not, adjust the frequenc with the motor semifixed resistor.<br>3.Check that the wow / flutter is 0.38% (unweighted).   | 2940 to 3090 Hz<br><br>within 0.38% (unweighted)   | Tape speed : motor semifixed resistor<br><br>check only               |
| PB frequency responce check                     | Test tape : VT738<br>Signal output terminal : PHONES<br>(with 32 ohm load)  | Playback the test tape VT738 while confirming that deviation between the 1 kHz signal and 8 kHz signal should be 0 (+3 to -6) dB.  | deviation between 1 kHz and 8 kHz : 0 (+3 to -6) dB.   |   |
| Bias frequency check                            | Test tape : normal<br>Signal output terminal : Casssette R/P head   | Set the TUNER or CD function and with TAPE to record. Check to see if the frequency at the measuring point (R335 or R336) is 60 kHz +/-1 kHz if not adjust T360 until the frequency counter indicates 60 kHz +/- 1 kHz.  |  | L203  |
| REC and PB frequency responce adjustment        | Test tape : AC225<br>Signal input : FM 22.5 dev, 60dBu with emphasis<br>Signal output terminal : PHONES<br>(with 32 ohm load) | At TUNER, set the BAND to the FM position, and record the reference 1 kHz signal and 8 kHz signal alternately repeatedly. While playing back the recorded signal differ from that of the 1 kHz signal by within 0 (+3 to 6) dB.  | Level difference between REC and PB : within 0 (+3 to 6) dB  |   |

#### 4.7 Tuner section

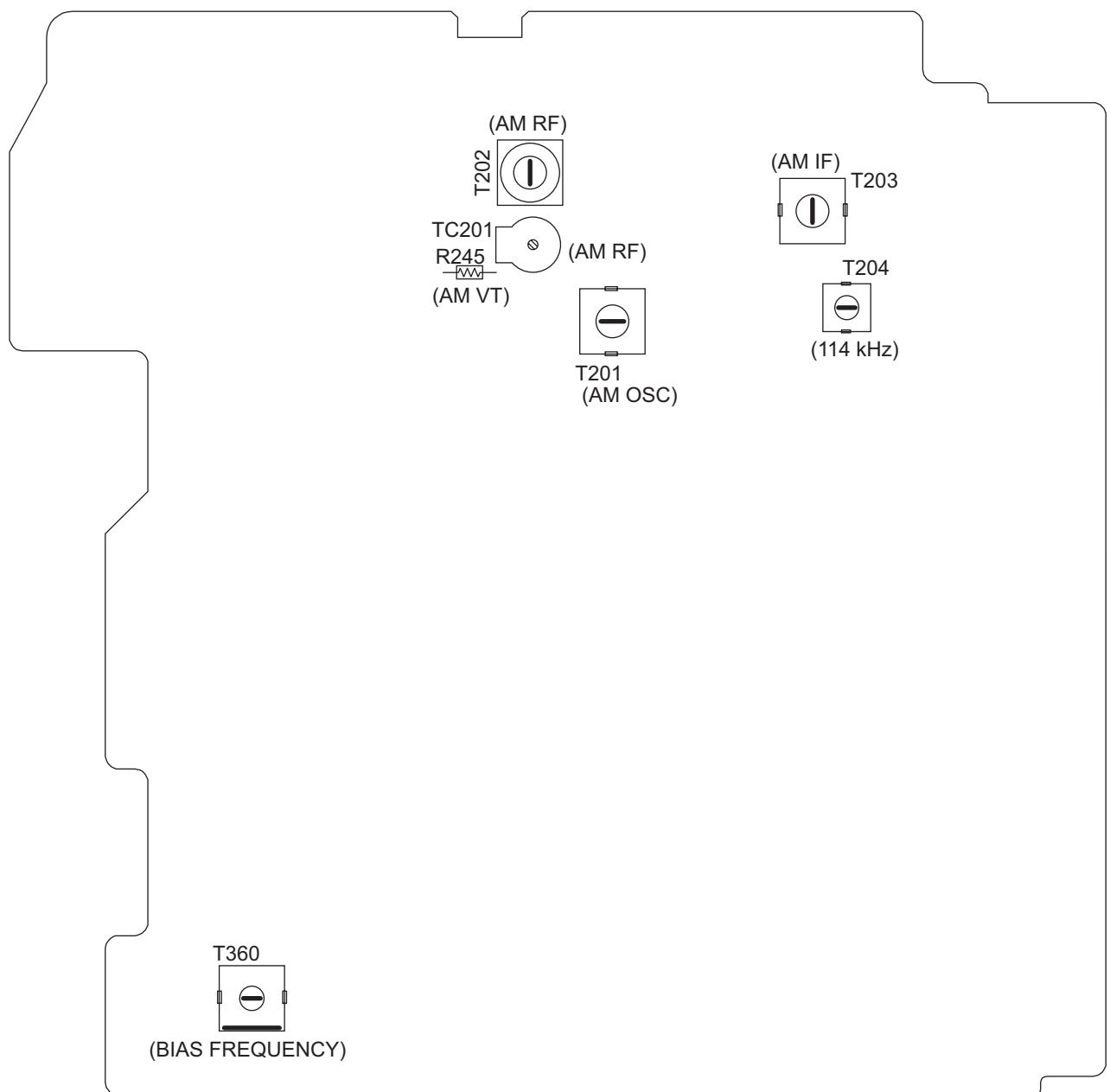
| Item                                      | Measuring condition   | Check and adjustment procedure   | Standard value | Adjusting part                |
|---|---|--|----------------|-------------------------------|
| AM IF adjustment                          | Signal input : Loop antenna<br>Signal output : IC201 pin 18                 | 1.Set the intermediate frequency sweep generator to AM 450 kHz.<br>2.Adjust the T203 from maximum and center output.   |                | T203                          |
| AM tracking adjustment                    | Signal input : Loop antenna<br>Signal output : PHONES<br>(with 32 ohm load) | 1.Set the TUNER at 522 kHz adjust T201 until the test pin of R245 voltage at 1.55 V +/- 0.1 V.<br>2.Set the TUNER at 1629 kHz, check the pin of R245 voltage at 8.4 V +/- 6V.<br>3.Set the TUNER ang S/G at 612 kHz, adjust T202 for maximum output.<br>4.Set the TUNER and S/G at 1404 kHz, adjust T201 for maximum output.<br>5.Repwat the above step 3 and 4. |                | T201<br><br>R245<br><br>TC201 |
| Tuner 114 kHz filter the waves adjustment | Signal input : IC101 pin 19<br>Signal output : IC101 pin 18                 | 1.Set the unit in standby mode. Input 114 kHz signal to IC101 pin 19.<br>2.Adjust the T204 for output voltage minimum.   |                | T204                          |

#### 4.8 Location of adjusting parts

Cassette mechanism section



Main board assembly



## **SECTION 5**

## **TROUBLESHOOTING**

This service manual does not describe TROUBLESHOOTING.





Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB371)

# JVC

## SCHEMATIC DIAGRAMS

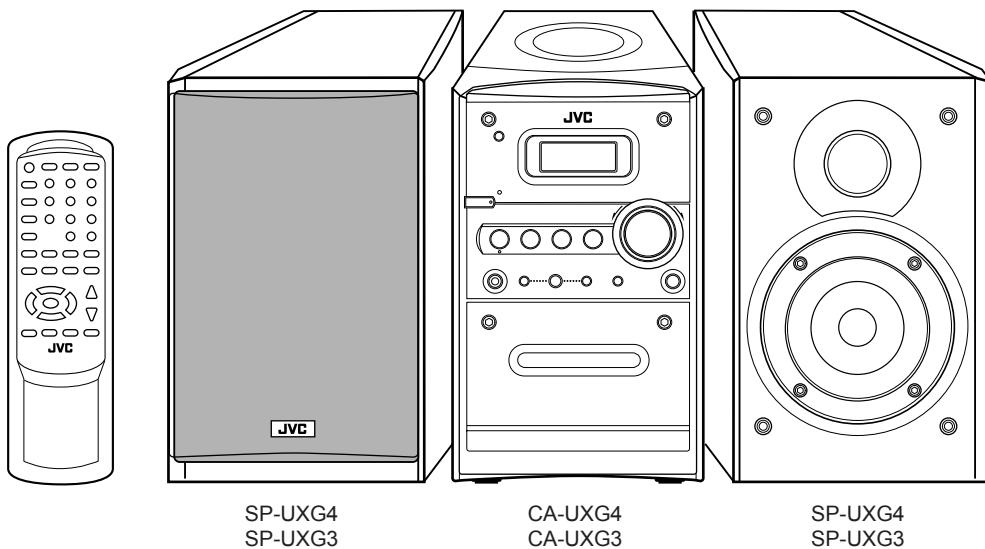
### MICRO COMPONENT SYSTEM

### UX-G3, UX-G4

CD-ROM No.SML200506

#### Area suffix

- |          |                    |
|----------|--------------------|
| B -----  | U.K.               |
| E -----  | Continental Europe |
| EN ----- | Northern Europe    |
| EV ----- | Eastern Europe     |



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

#### Contents

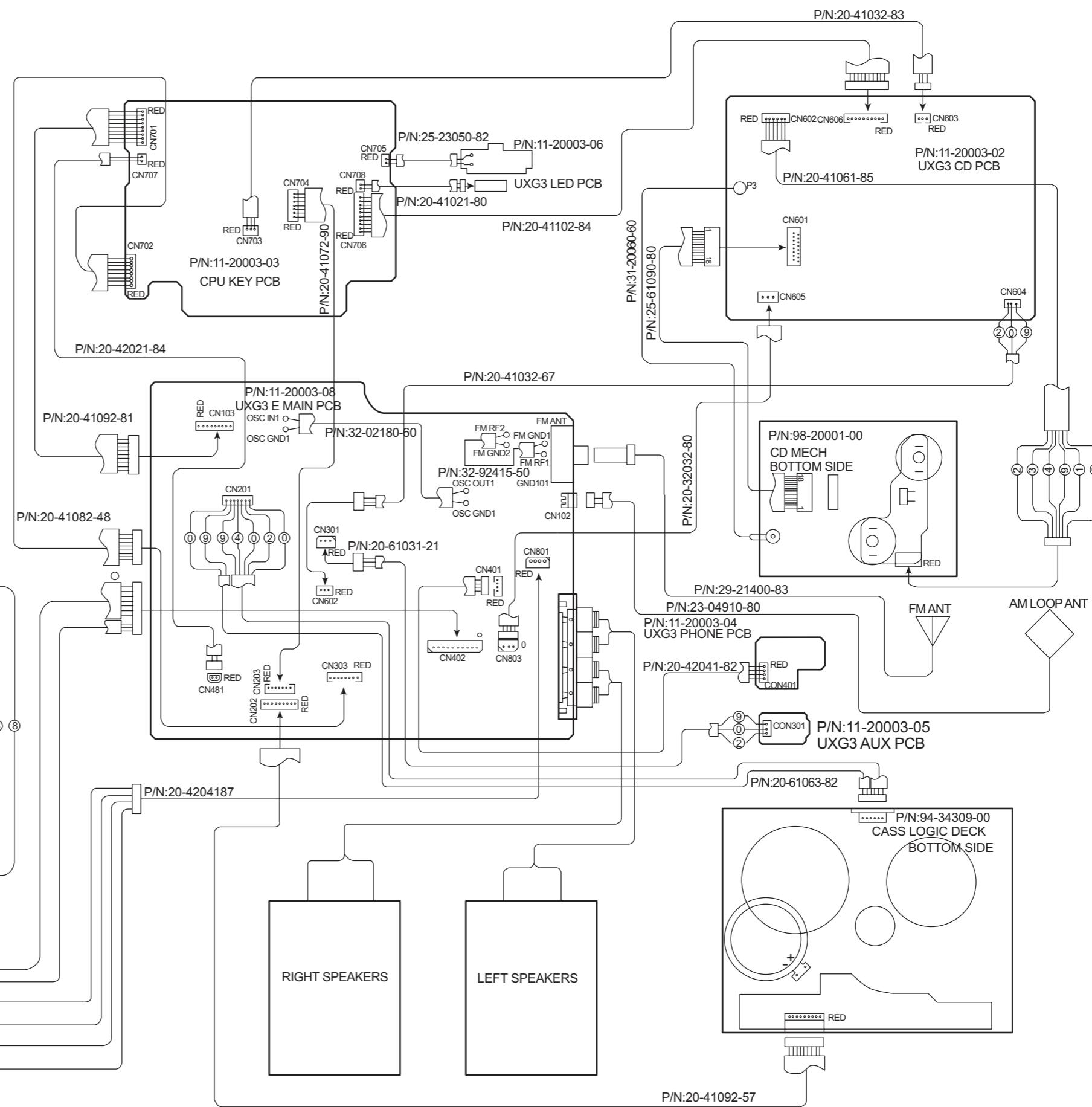
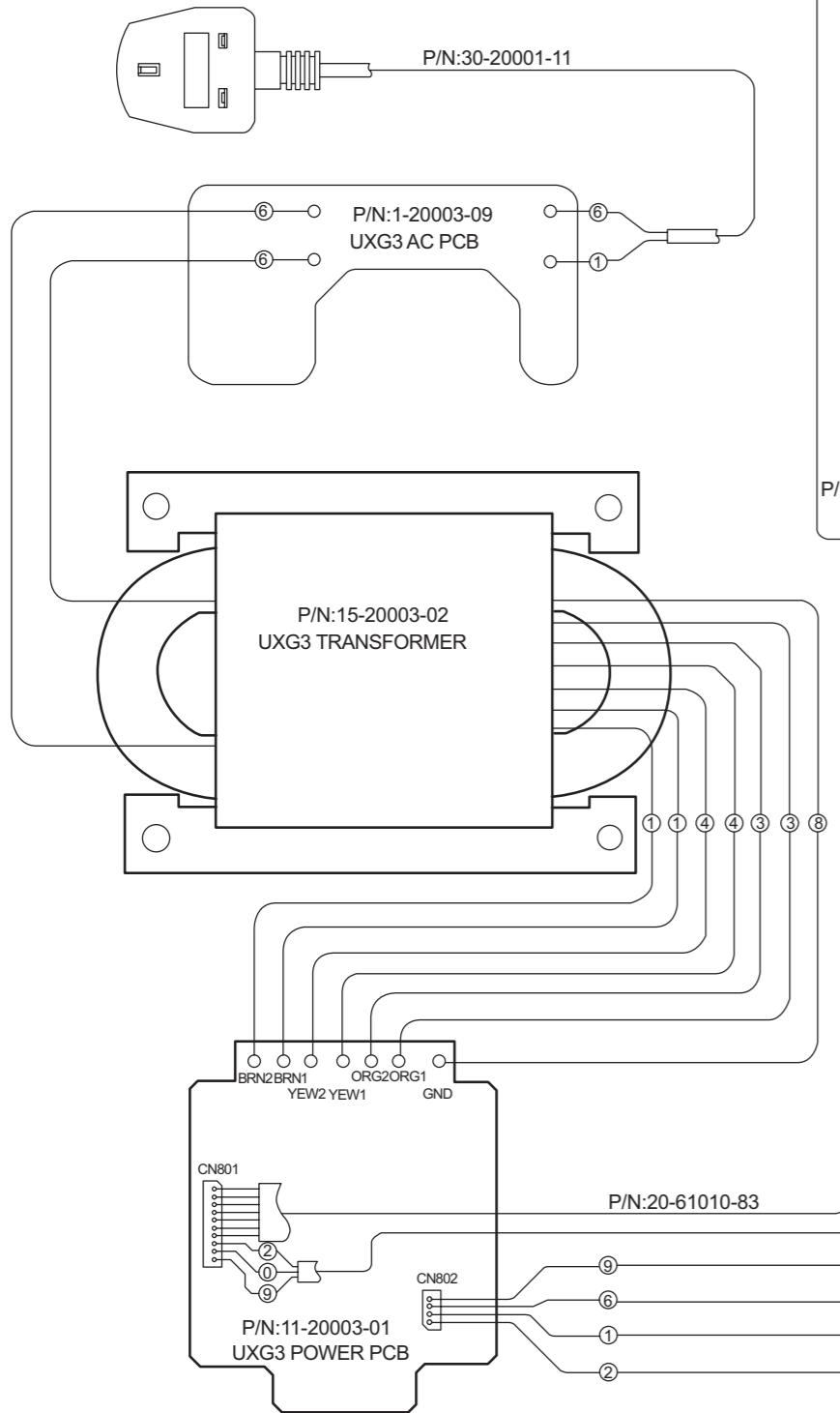
|                                   |            |
|-----------------------------------|------------|
| Wiring diagram -----              | 2-1        |
| Block diagram -----               | 2-5        |
| Standard schematic diagrams ----- | 2-7        |
| Voltage table -----               | 2-11       |
| Printed circuit boards -----      | 2-12 to 14 |

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (—), diode (—) and ICP (●) or identified by the "Δ" mark nearby are critical for safety.

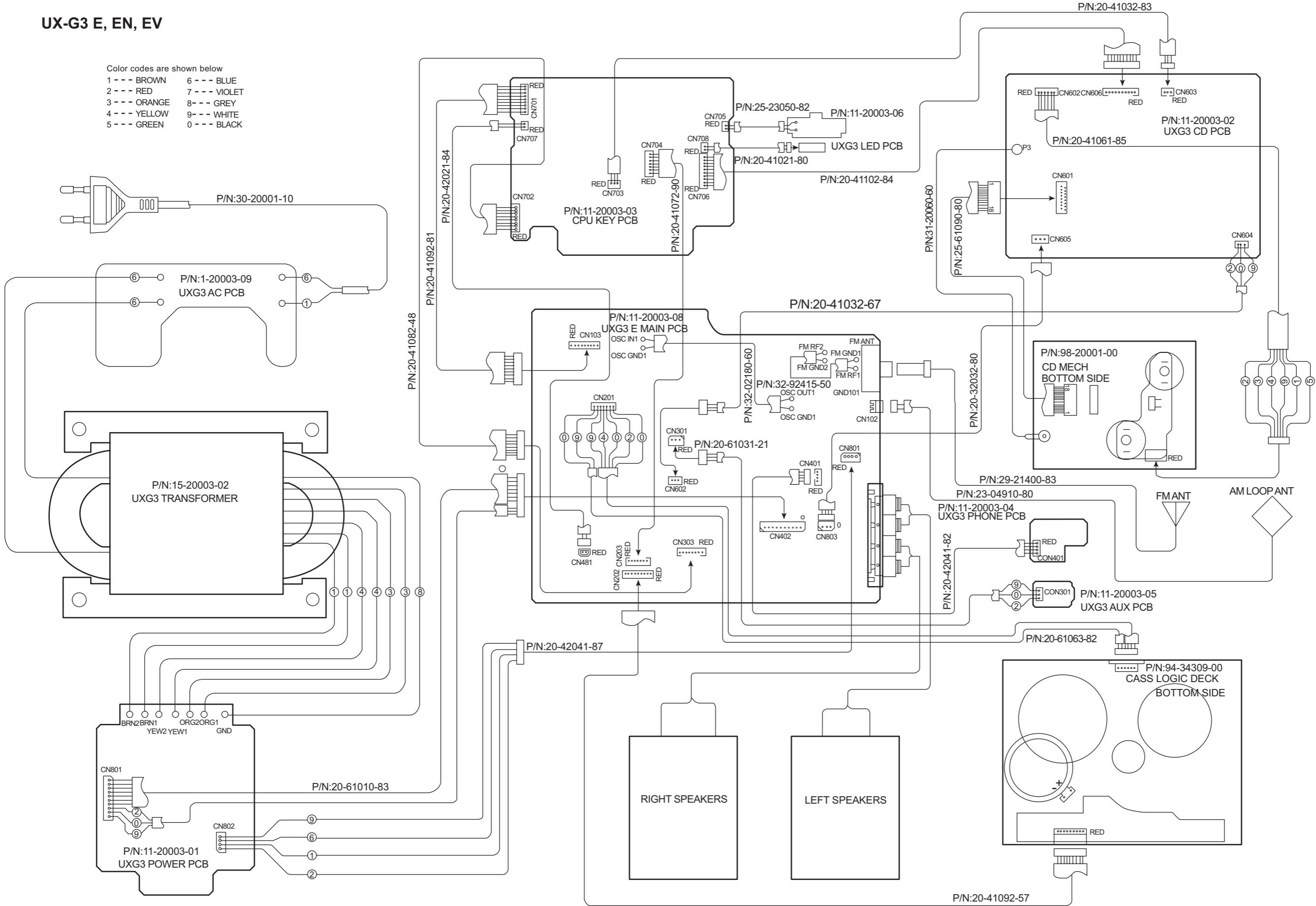
# Wiring diagrams

Color codes are shown below

|                |                |
|----------------|----------------|
| 1 - - - BROWN  | 6 - - - BLUE   |
| 2 - - - RED    | 7 - - - VIOLET |
| 3 - - - ORANGE | 8 - - - GREY   |
| 4 - - - YELLOW | 9 - - - WHITE  |
| 5 - - - GREEN  | 0 - - - BLACK  |



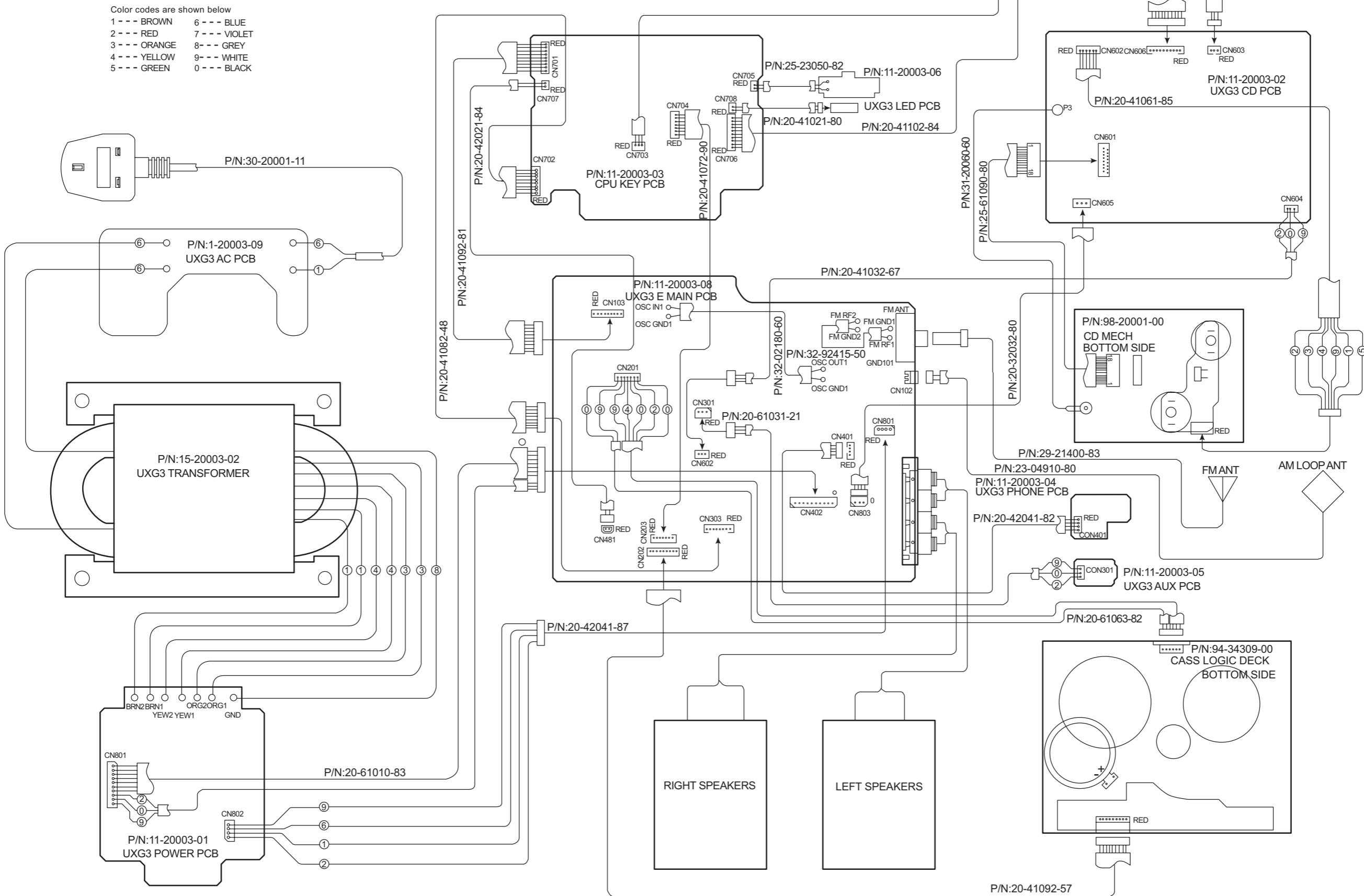
## UX-G3 E, EN, EV



UX-G4 B

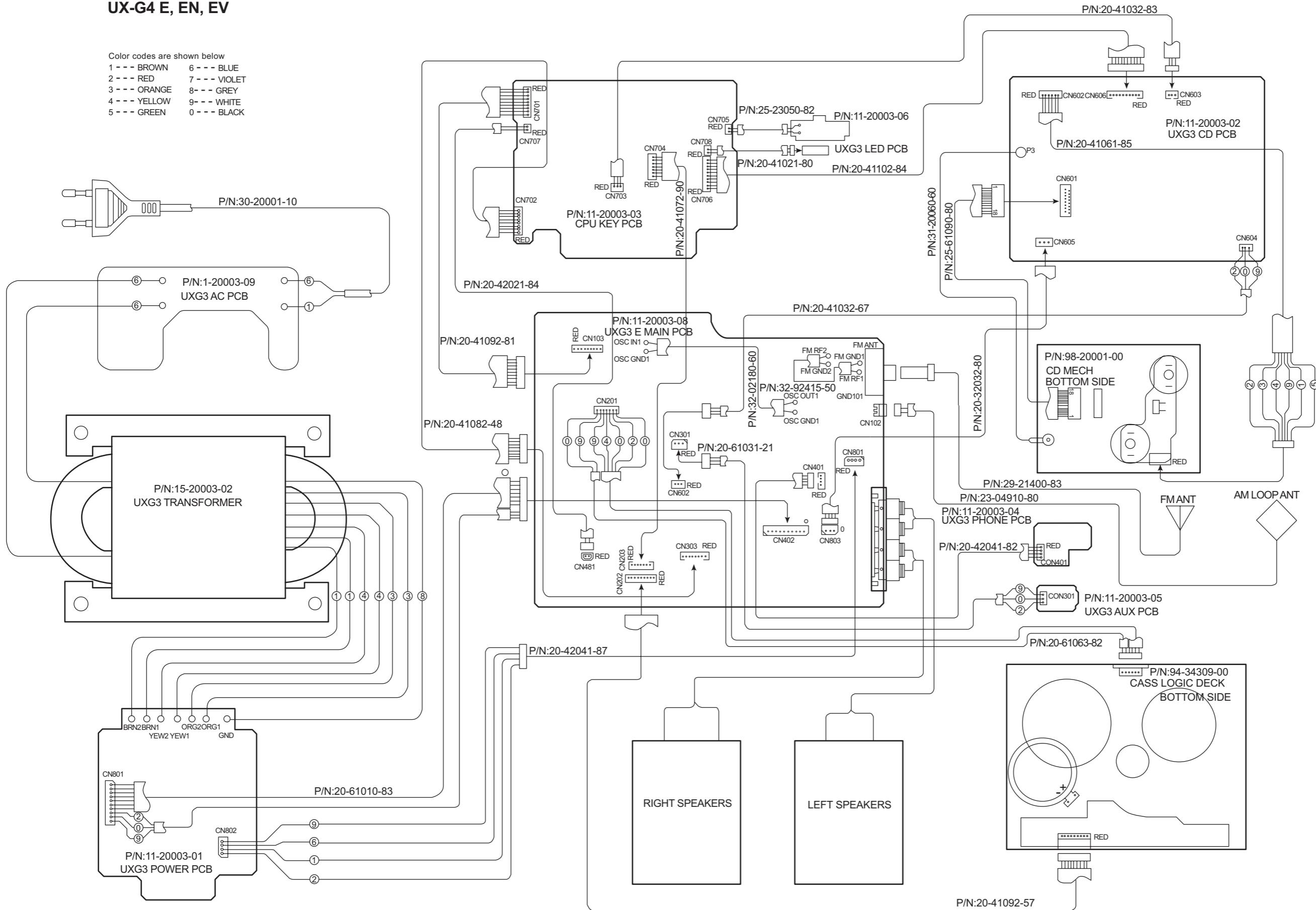
Color codes are shown below

|                |                |
|----------------|----------------|
| 1 - - - BROWN  | 6 - - - BLUE   |
| 2 - - - RED    | 7 - - - VIOLET |
| 3 - - - ORANGE | 8 - - - GREY   |
| 4 - - - YELLOW | 9 - - - WHITE  |
| 5 - - - GREEN  | 0 - - - BLACK  |



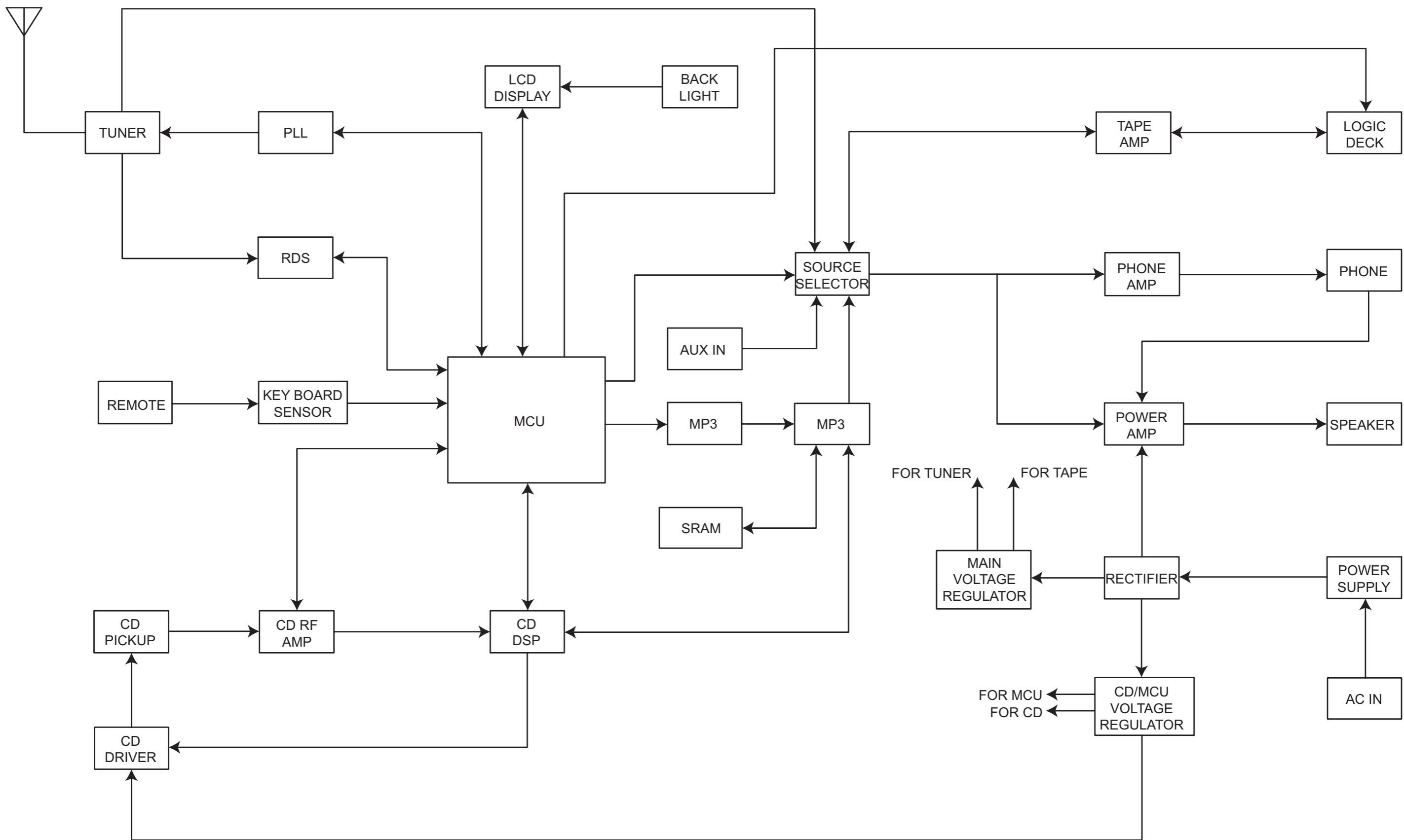
## UX-G4 E, EN, EV

Color codes are shown below  
 1 - - - BROWN 6 - - - BLUE  
 2 - - - RED 7 - - - VIOLET  
 3 - - - ORANGE 8 - - - GREY  
 4 - - - YELLOW 9 - - - WHITE  
 5 - - - GREEN 0 - - - BLACK

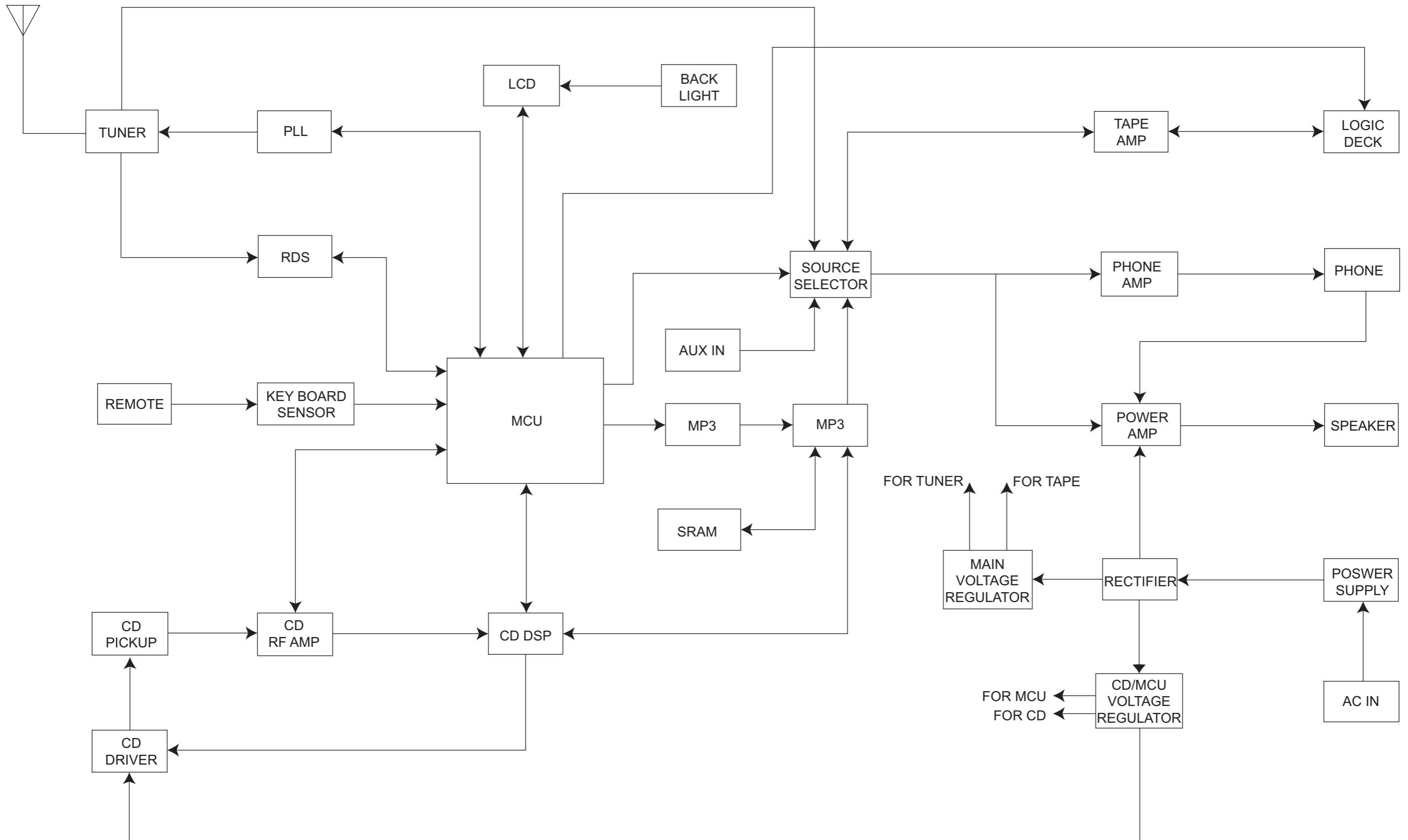


## Block diagrams

UX-G3

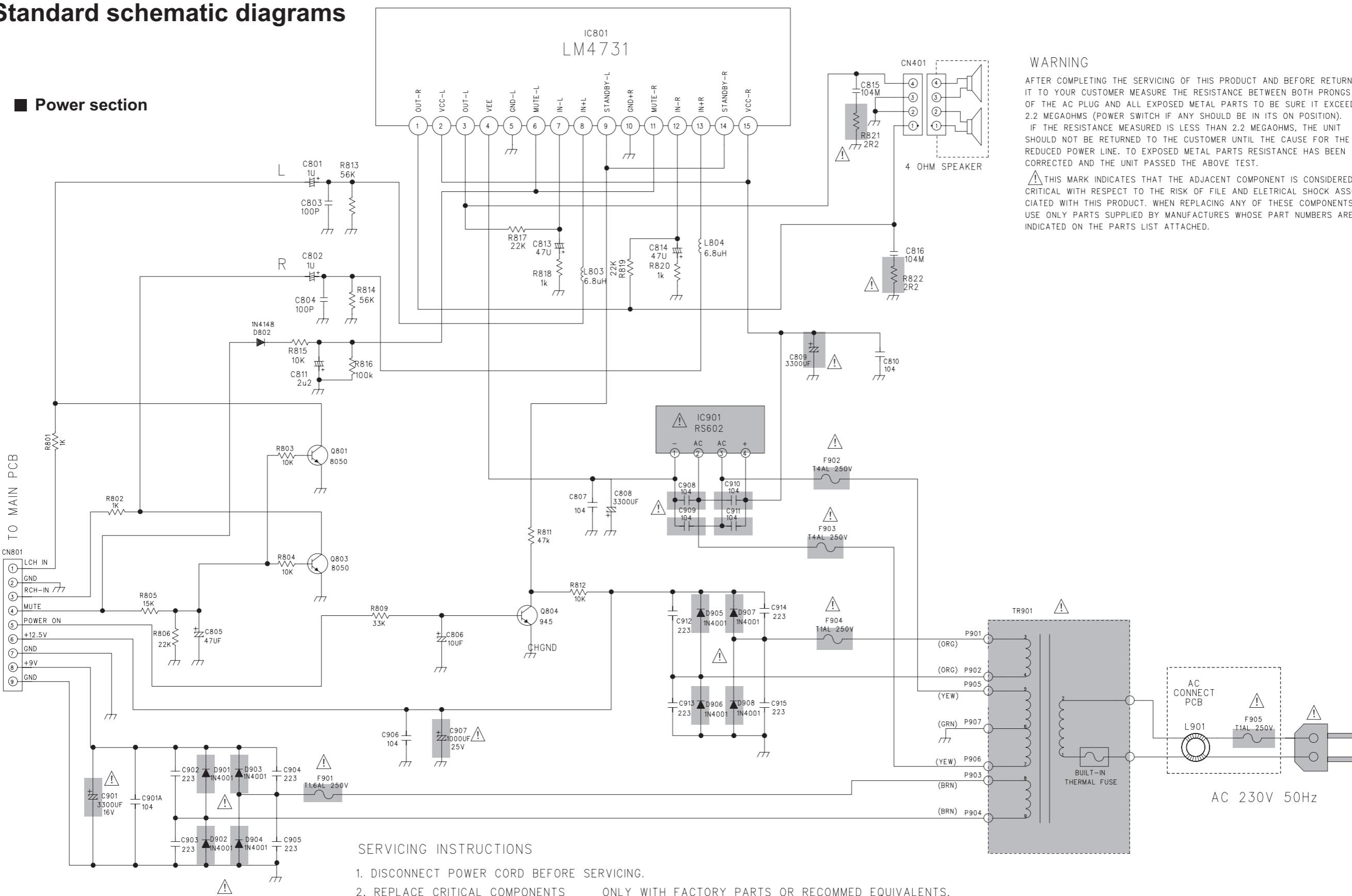


UX-G4

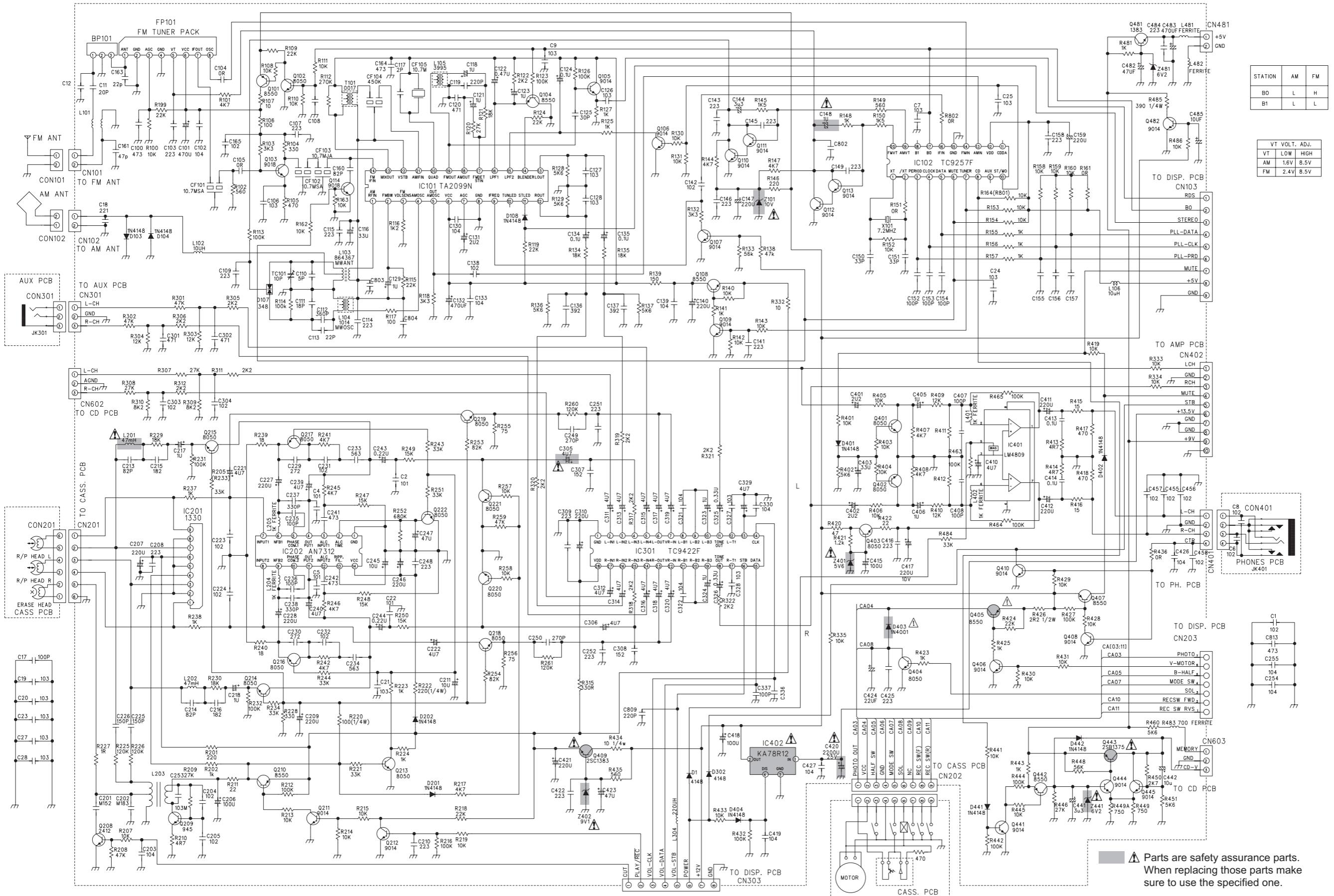


# Standard schematic diagrams

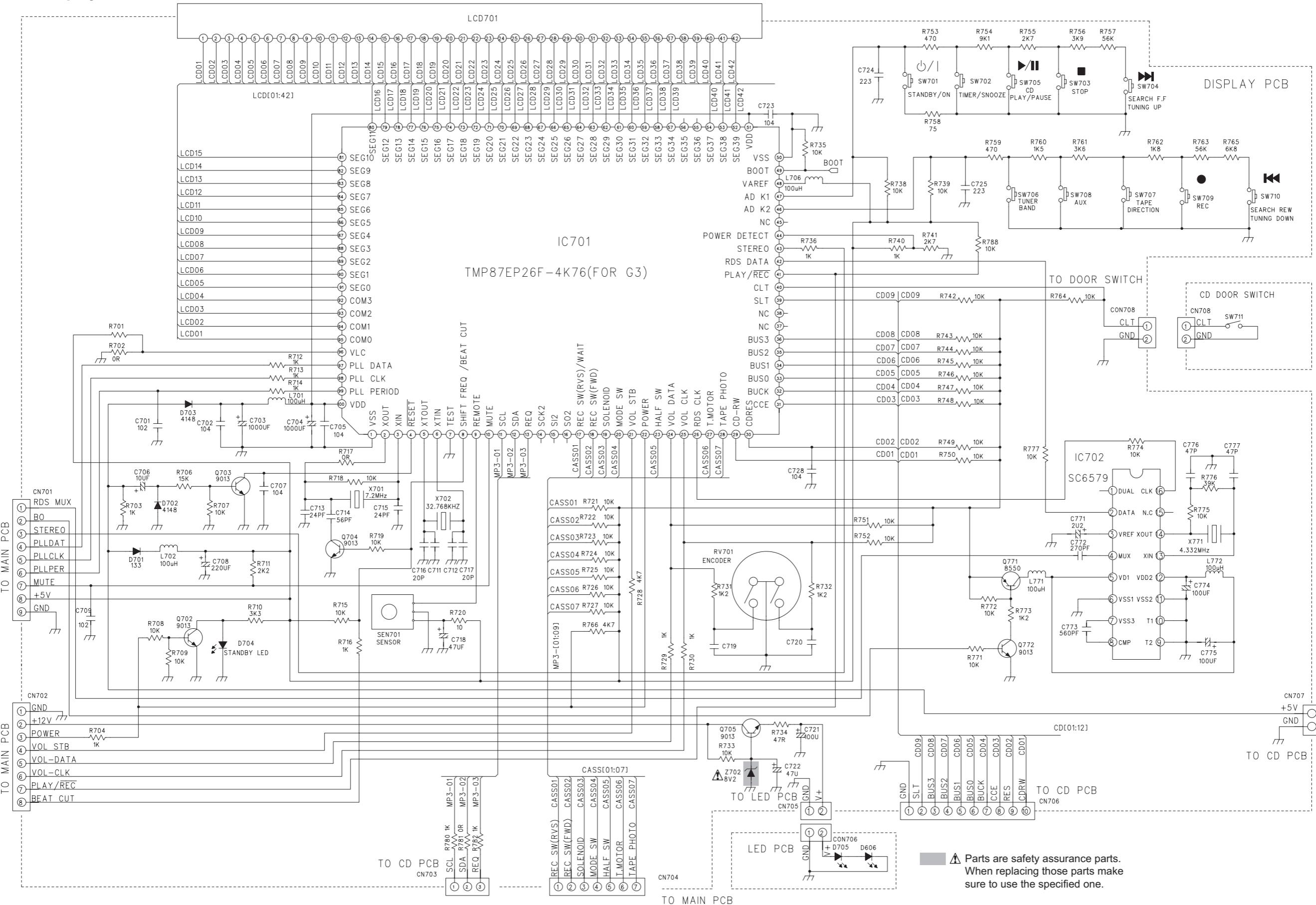
## ■ Power section



## Main section

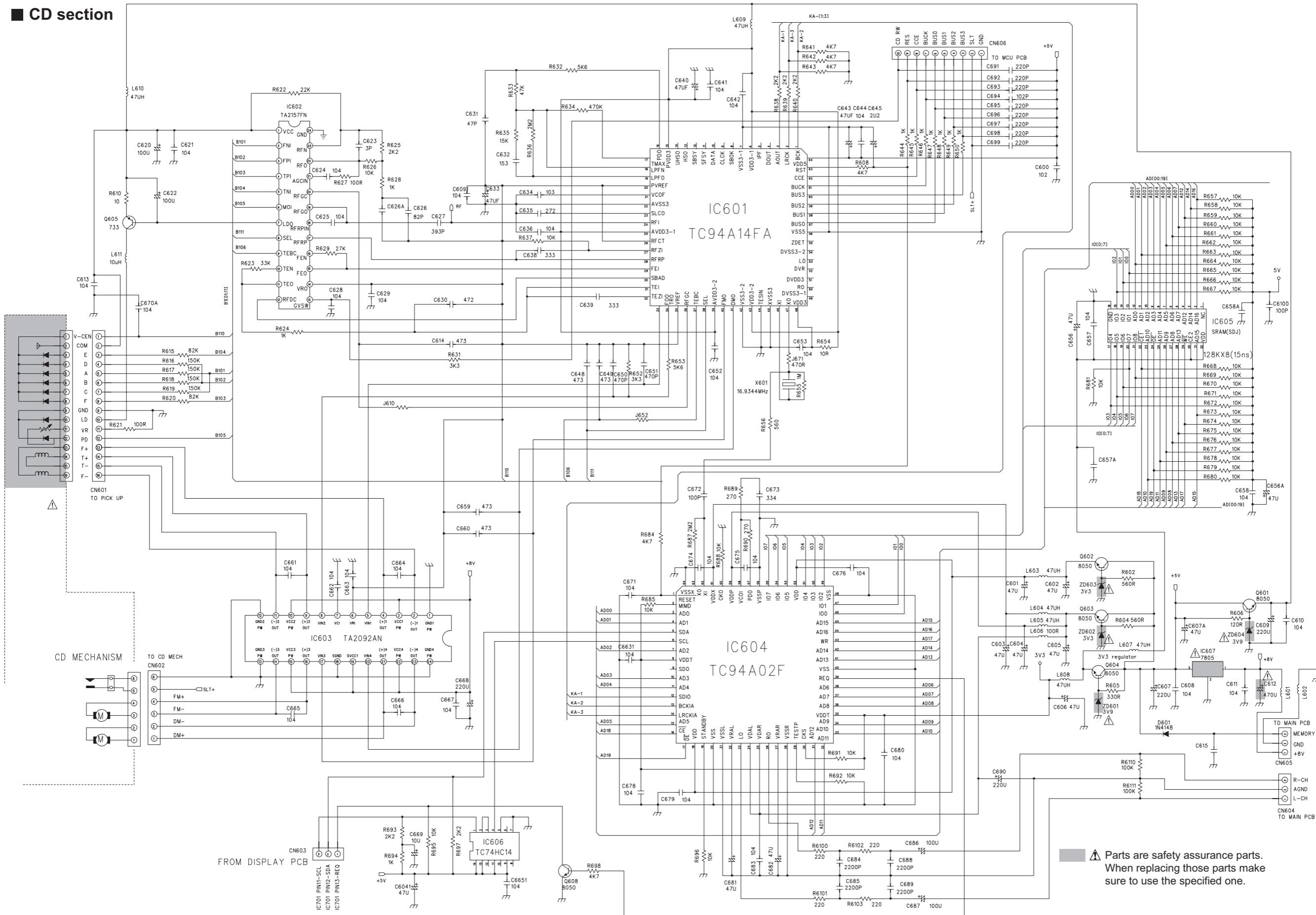


## ■ Display section



 Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

## ■ CD section



## Voltage table

|       | IC101 | IC102 | IC201 | IC202 | IC301 | IC401 | IC402 | IC602 | IC603 | IC606 | IC607 | IC702 | IC801  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| PIN1  | 2V    | 2.3V  | 0.2V  | 0V    | 0V    | 2.5V  | 16V   | 3.4V  | 0V    | 5V    | 9.2V  | NC    | 0V     |
| PIN2  | 2.5V  | 2.3V  | 0V    | 0V    | 1.5V  | 2.5V  | 12V   | 2.4V  | 4.3V  | 0V    | 0V    | 2.4   | 22.5V  |
| PIN3  | 0.9V  | 4.6V  | 0V    | 0V    | 3.1V  | 2.5V  | 0V    | 2.4V  | 9.2V  | 0V    | 5V    | 2.4   | 0.0    |
| PIN4  | 2V    | 4.6V  | 1.5V  | 3.4V  | 1.8V  | 0V    | 3.4V  | 2.4V  | 4.3V  | 5V    |       | 2.4   | -22.5V |
| PIN5  | 1.5V  | 0.5V  | 0V    | 1.4V  | 1.9V  | 3V    |       | 2.3V  | 2.2V  | 0V    |       | 4.8   | 0V     |
| PIN6  | 4.8V  | 0.1V  | 6.5V  | 1.3V  | 3.1V  | 2.5V  |       | 0.6V  | 1.7V  | NC    |       | 0.0   | 0V     |
| PIN7  | 1.8V  | 2.6V  | 0V    | 0V    | 3.1V  | 2.5V  |       | 2.7V  | 4.3V  | 0V    |       | 2.4   | 0V     |
| PIN8  | 0V    | 0V    | 0V    | 3.1V  | 5V    |       |       | 0.1V  | 2.2V  | NC    |       | 2.4   | 0V     |
| PIN9  | 2.8V  | NC    | 0.2V  | 1.3V  | 3.1V  |       |       | 2.2V  | 4.3V  | 5V    |       | 0.0   | 0V     |
| PIN10 | 0.1V  | 0V    |       | 1.4V  | 3.1V  |       |       | 2.3V  | 9.2V  | NC    |       | 0.0   | 0V     |
| PIN11 | 0.1V  | NC    |       | 3.4V  | 3.1V  |       |       | 1.7V  | 4.3V  | 5V    |       | 0.0   | 0V     |
| PIN12 | 2.2V  | 4.6V  |       | 0V    | 3.1V  |       |       | 1.3V  | 0V    | NC    |       | 4.8   | 0V     |
| PIN13 | 2.2V  | 0V    |       | 6.7V  | 3.1V  |       |       | 4V    | 0V    | 5V    |       | 2.4   | 0V     |
| PIN14 | 1V    | 2.3V  |       | 6.7V  | 4.6V  |       |       | 1.7V  | 4.3V  | 5V    |       | 2.4   | 0V     |
| PIN15 | 3.6V  | 0V    |       |       | 4.6V  |       |       | 1.7V  | 9.2V  |       |       | NC    | 22.5V  |
| PIN16 | 3.4V  | 2.3V  |       |       | 0V    |       |       | 2.3V  | 4.3V  |       |       | 2.4   |        |
| PIN17 | 1.5V  | 4.6V  |       |       | 3.1V  |       |       | 1V    | 2.2V  |       |       |       |        |
| PIN18 | 2.6V  | NC    |       |       | 3.1V  |       |       | 2.6V  | 0V    |       |       |       |        |
| PIN19 | 1.8V  | 1.1V  |       |       | 3.1V  |       |       | 1.4V  | 9.2V  |       |       |       |        |
| PIN20 | 2.1V  | 1.1V  |       |       | 3.1V  |       |       | 2.2V  | 2.2V  |       |       |       |        |
| PIN21 | 2.3V  |       |       |       | 3.1V  |       |       | 2.7V  | 4.3V  |       |       |       |        |
| PIN22 | 2V    |       |       |       | 3.1V  |       |       | 0.8V  | 9.2V  |       |       |       |        |
| PIN23 | 4.8V  |       |       |       | 3.1V  |       |       | 2V    | 4.3V  |       |       |       |        |
| PIN24 | 2V    |       |       |       | 1.9V  |       |       | 0V    | 0V    |       |       |       |        |
| PIN25 |       |       |       |       | 1.8V  |       |       |       |       |       |       |       |        |
| PIN26 |       |       |       |       | 3.1V  |       |       |       |       |       |       |       |        |
| PIN27 |       |       |       |       | 1.5V  |       |       |       |       |       |       |       |        |
| PIN28 |       |       |       |       | 6.2V  |       |       |       |       |       |       |       |        |

| IC801 |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| PIN1  | 2.5 V | PIN17 | 0.1 V | PIN33 | 2.2 V | PIN49 | NC    |
| PIN2  | 2.5 V | PIN18 | 2.6 V | PIN34 | 2.1 V | PIN50 | NC    |
| PIN3  | 0.1 V | PIN19 | 3.3 V | PIN35 | 1.7 V | PIN51 | NC    |
| PIN4  | NC    | PIN20 | 1.7 V | PIN36 | 2.2 V | PIN52 | NC    |
| PIN5  | NC    | PIN21 | 2.7 V | PIN37 | 2.2 V | PIN53 | NC    |
| PIN6  | 3.3 V | PIN22 | 0 V   | PIN38 | 0.1 V | PIN54 | NC    |
| PIN7  | 0 V   | PIN23 | 2.1 V | PIN39 | 3.3 V | PIN55 | NC    |
| PIN8  | NC    | PIN24 | 2.4 V | PIN40 | 2.2 V | PIN56 | 0 V   |
| PIN9  | NC    | PIN25 | 3.3 V | PIN41 | 2.2 V | PIN57 | 0.8 V |
| PIN10 | NC    | PIN26 | 1.7 V | PIN42 | 0 V   | PIN58 | 0.8 V |
| PIN11 | NC    | PIN27 | 2.4 V | PIN43 | 3.3 V | PIN59 | 0.8 V |
| PIN12 | NC    | PIN28 | 1 V   | PIN44 | 0 V   | PIN60 | 0.8 V |
| PIN13 | NC    | PIN29 | 0.8 V | PIN45 | 0 V   | PIN61 | 5.4 V |
| PIN14 | NC    | PIN30 | 1.3 V | PIN46 | 2.7 V | PIN62 | 5.4 V |
| PIN15 | 3.3 V | PIN31 | 2 V   | PIN47 | 1.6 V | PIN63 | 4.4 V |
| PIN16 | 2.3 V | PIN32 | 2.4 V | PIN48 | 3.3 V | PIN64 | 5 V   |

| IC605 |       |       |       |
|-------|-------|-------|-------|
| PIN1  | NC    | PIN17 | 3.3 V |
| PIN2  | 3.3 V | PIN18 | 2.4 V |
| PIN3  | 3.3 V | PIN19 | 2 V   |
| PIN4  | 3.3 V | PIN20 | 3.3 V |
| PIN5  | 3.3 V | PIN21 | 3.3 V |
| PIN6  | 3.3 V | PIN22 | 3.3 V |
| PIN7  | 3.3 V | PIN23 | 1.2 V |
| PIN8  | 3.3 V | PIN24 | 2.4 V |
| PIN9  | NC    | PIN25 | 2.4 V |
| PIN10 | 3.3 V | PIN26 | 1.2 V |
| PIN11 | 3.3 V | PIN27 | 2.5 V |
| PIN12 | 1 V   | PIN28 | 0 V   |
| PIN13 | 3.3 V | PIN29 | 3.3 V |
| PIN14 | 3.3 V | PIN30 | 3.3 V |
| PIN15 | 3.3 V | PIN31 | 3.3 V |
| PIN16 | 0 V   | PIN32 | 3.3 V |

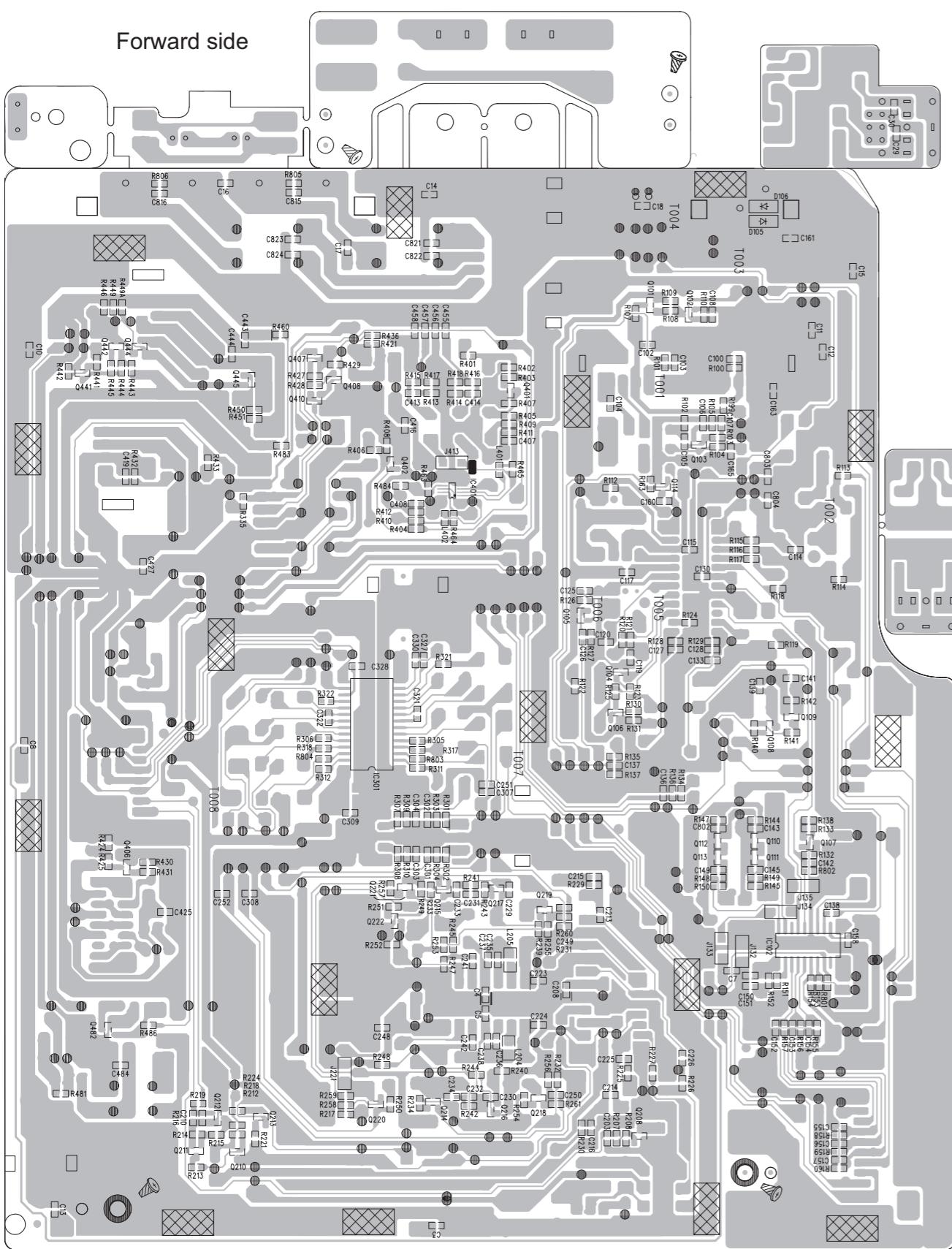
| IC701 |       |       |       |       |     |        |       |  |
|-------|-------|-------|-------|-------|-----|--------|-------|--|
| PIN1  | 0 V   | PIN26 | 3.5 V | PIN51 | 5 V | PIN76  | 3 V   |  |
| PIN2  | 2.4 V | PIN27 | NC    | PIN52 | NC  | PIN77  | 3 V   |  |
| PIN3  | 2.4 V | PIN28 | NC    | PIN53 | NC  | PIN78  | 3 V   |  |
| PIN4  | 4.8 V | PIN29 | 0.1 V | PIN54 | NC  | PIN79  | 3 V   |  |
| PIN5  | 3 V   | PIN30 | 0.1 V | PIN55 | NC  | PIN80  | 3 V   |  |
| PIN6  | 2.8 V | PIN31 | 0.1 V | PIN56 | NC  | PIN81  | 3 V   |  |
| PIN7  | 0 V   | PIN32 | 0.1 V | PIN57 | 3 V | PIN82  | 3 V   |  |
| PIN8  | 0.1 V | PIN33 | 0.1 V | PIN58 | 3 V | PIN83  | 3 V   |  |
| PIN9  | 5 V   | PIN34 | 0.1 V | PIN59 | 3 V | PIN84  | 3 V   |  |
| PIN10 | 0.1 V | PIN35 | 0.1 V | PIN60 | 3 V | PIN85  | 3 V   |  |
| PIN11 | 0.1 V | PIN36 | 0.1 V | PIN61 | 3 V | PIN86  | 3 V   |  |
| PIN12 | 0.1 V | PIN37 | NC    | PIN62 | 3 V | PIN87  | 3 V   |  |
| PIN13 | 3 V   | PIN38 | NC    | PIN63 | 3 V | PIN88  | 3 V   |  |
| PIN14 | NC    | PIN39 | 0.1 V | PIN64 | 3 V | PIN89  | 3 V   |  |
| PIN15 | NC    | PIN40 | 5.5 V | PIN65 | 3 V | PIN90  | 3 V   |  |
| PIN16 | NC    | PIN41 | 2.5 V | PIN66 | 3 V | PIN91  | 3 V   |  |
| PIN17 | NC    | PIN42 | 3.3 V | PIN67 | 3 V | PIN92  | 3 V   |  |
| PIN18 | 4.9 V | PIN43 | 4.9 V | PIN68 | 3 V | PIN93  | 3 V   |  |
| PIN19 | NC    | PIN44 | 3.6 V | PIN69 | 3 V | PIN94  | 3 V   |  |
| PIN20 | NC    | PIN45 | 5 V   | PIN70 | 3 V | PIN95  | 3 V   |  |
| PIN21 | 0.1 V | PIN46 | 4.9 V | PIN71 | 3 V | PIN96  | 3 V   |  |
| PIN22 | 4.9 V | PIN47 | 5 V   | PIN72 | 3 V | PIN97  | 1.8 V |  |
| PIN23 | NC    | PIN48 | 5 V   | PIN73 | 3 V | PIN98  | 5.5 V |  |
| PIN24 | 0.1 V | PIN49 | 2 V   | PIN74 | 3 V | PIN99  | 5.5 V |  |
| PIN25 | 0.1 V | PIN50 | 0 V   | PIN75 | 3 V | PIN100 | 5 V   |  |

| IC6 |
|-----|
|-----|

# Printed circuit boards

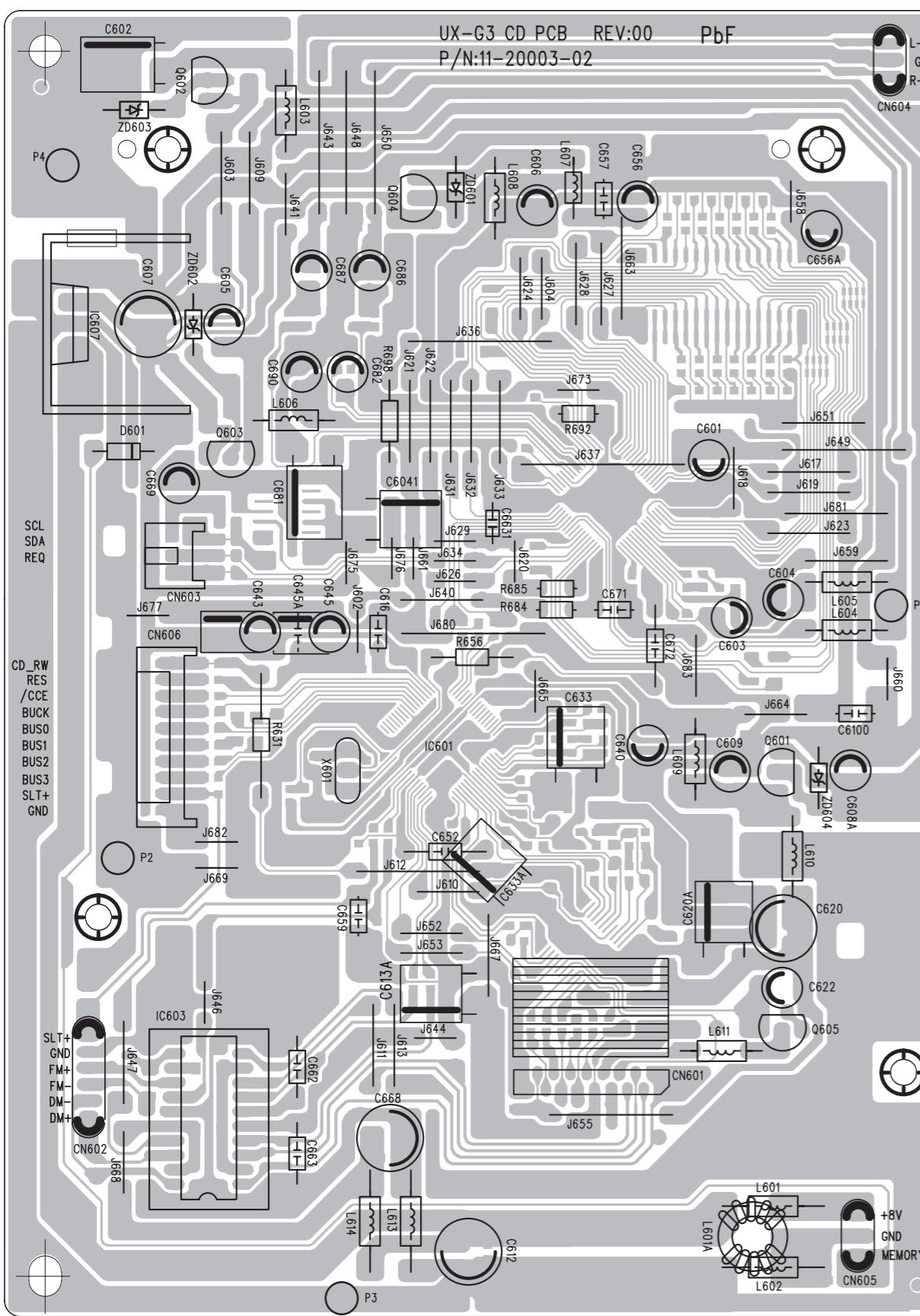
## ■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

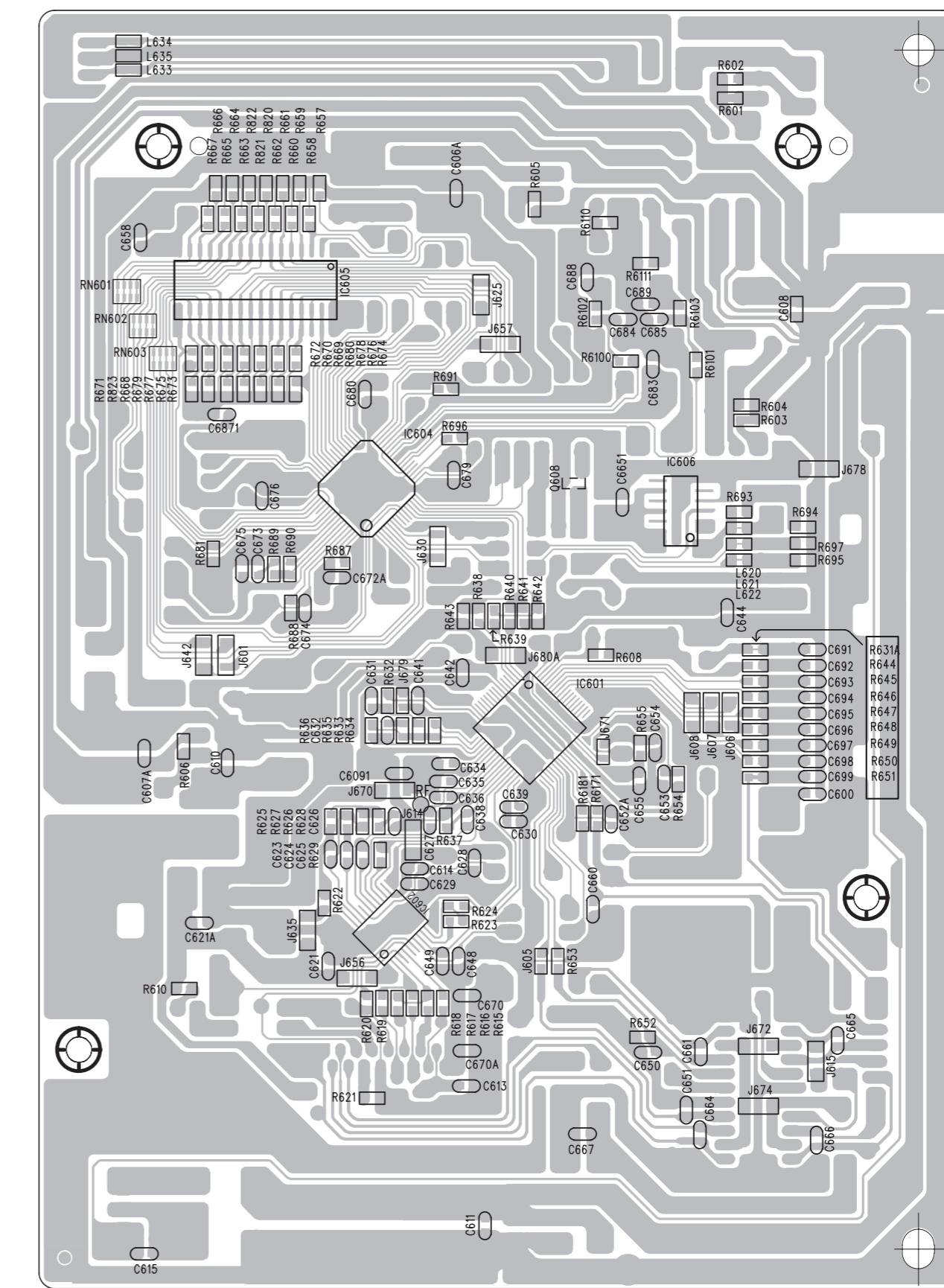


**CD board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(forward side)

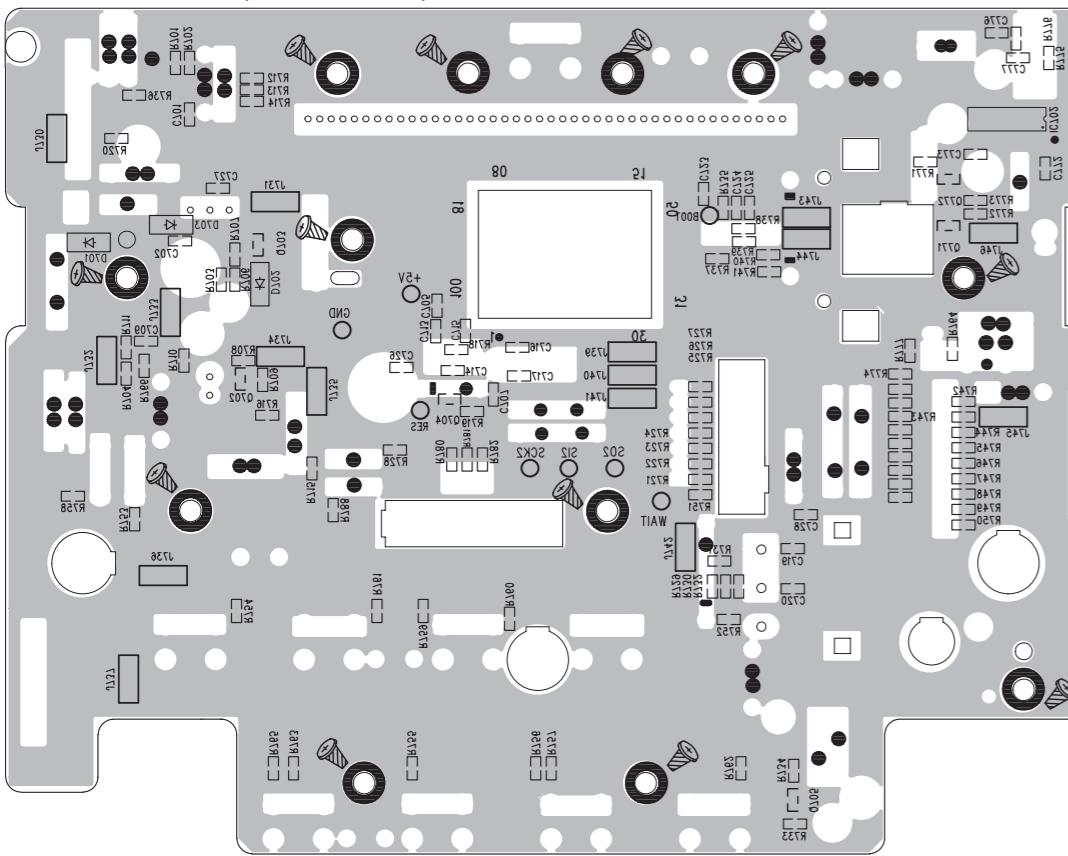


(reverse side)



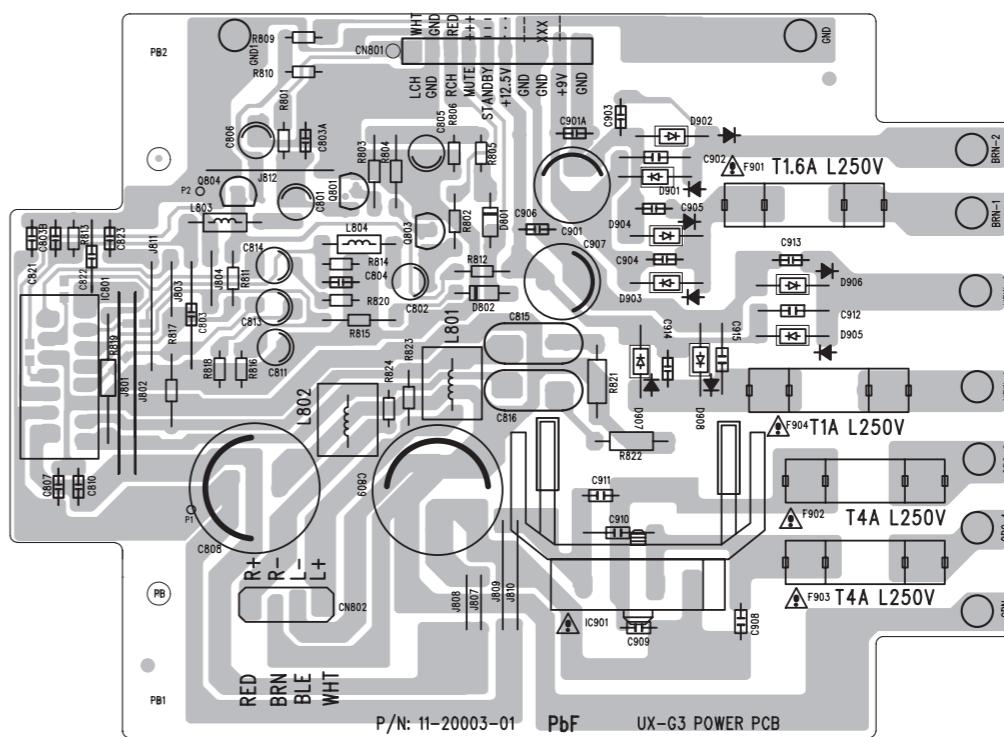
**Front board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(forward side)

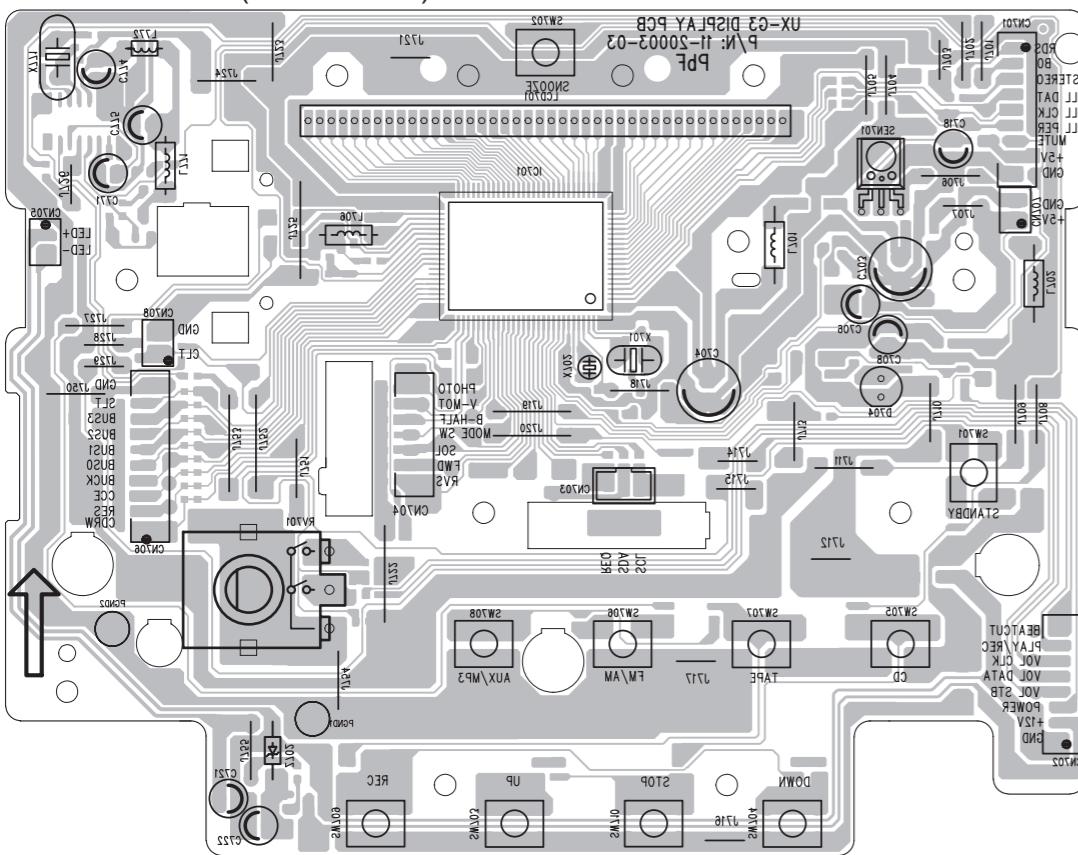


**Trans board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

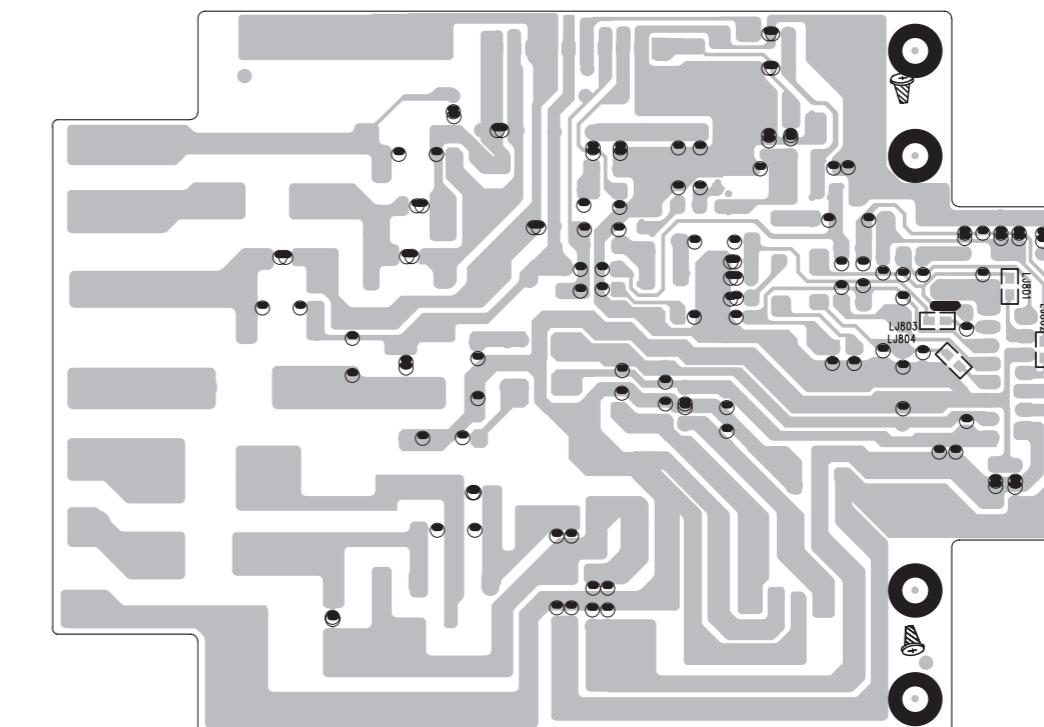
(forward side)



(reverse side)



(reverse side)



< MEMO >

# JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB371SCH)



Printed in Japan  
VPT

# PARTS LIST

[ UX-G3 ]

[ UX-G4 ]

\* All printed circuit boards and its assemblies are not available as service parts.

## Area suffix

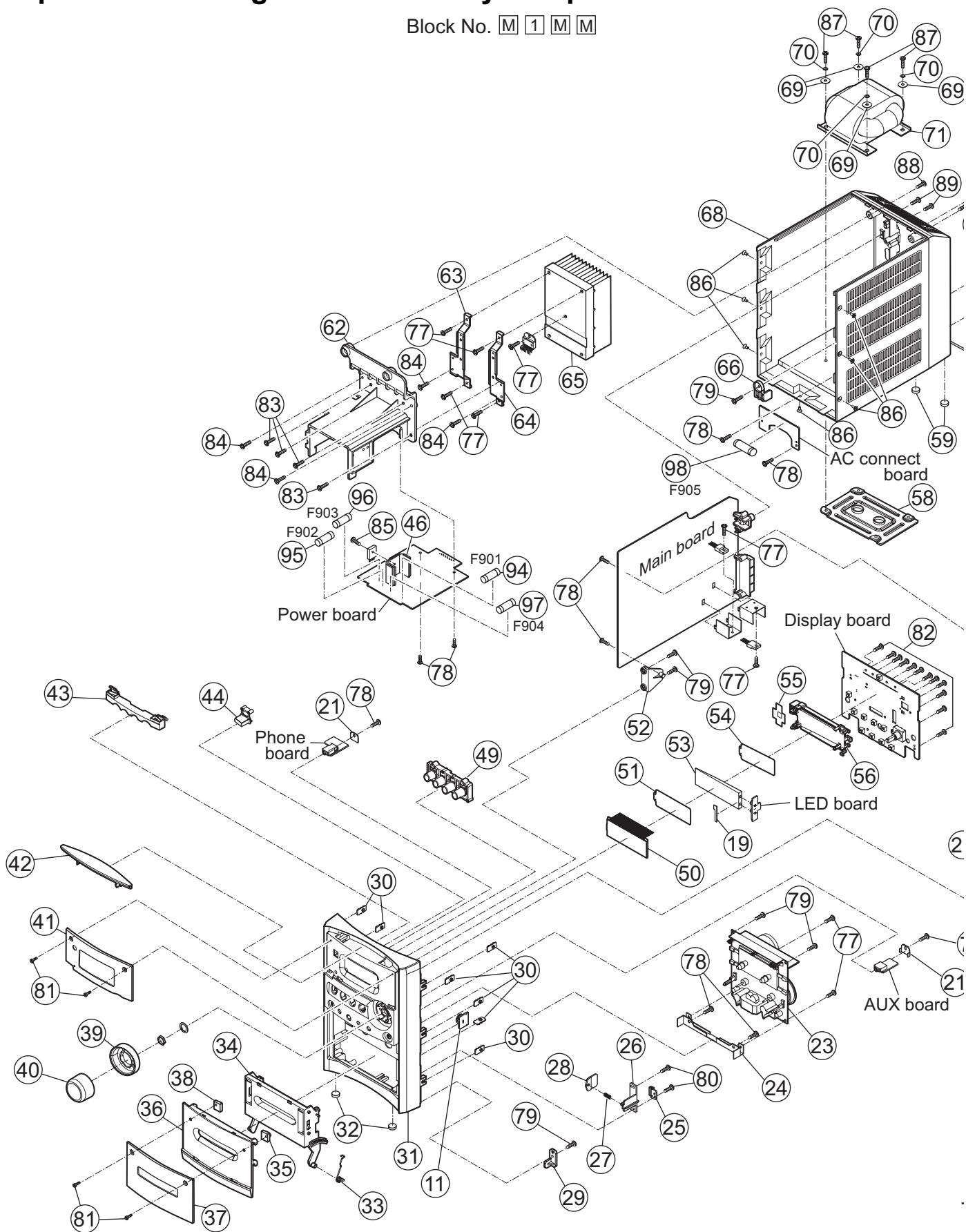
|    |       |                    |
|----|-------|--------------------|
| B  | ----- | U.K.               |
| E  | ----- | Continental Europe |
| EN | ----- | Northern Europe    |
| EV | ----- | Eastern Europe     |

## - Contents -

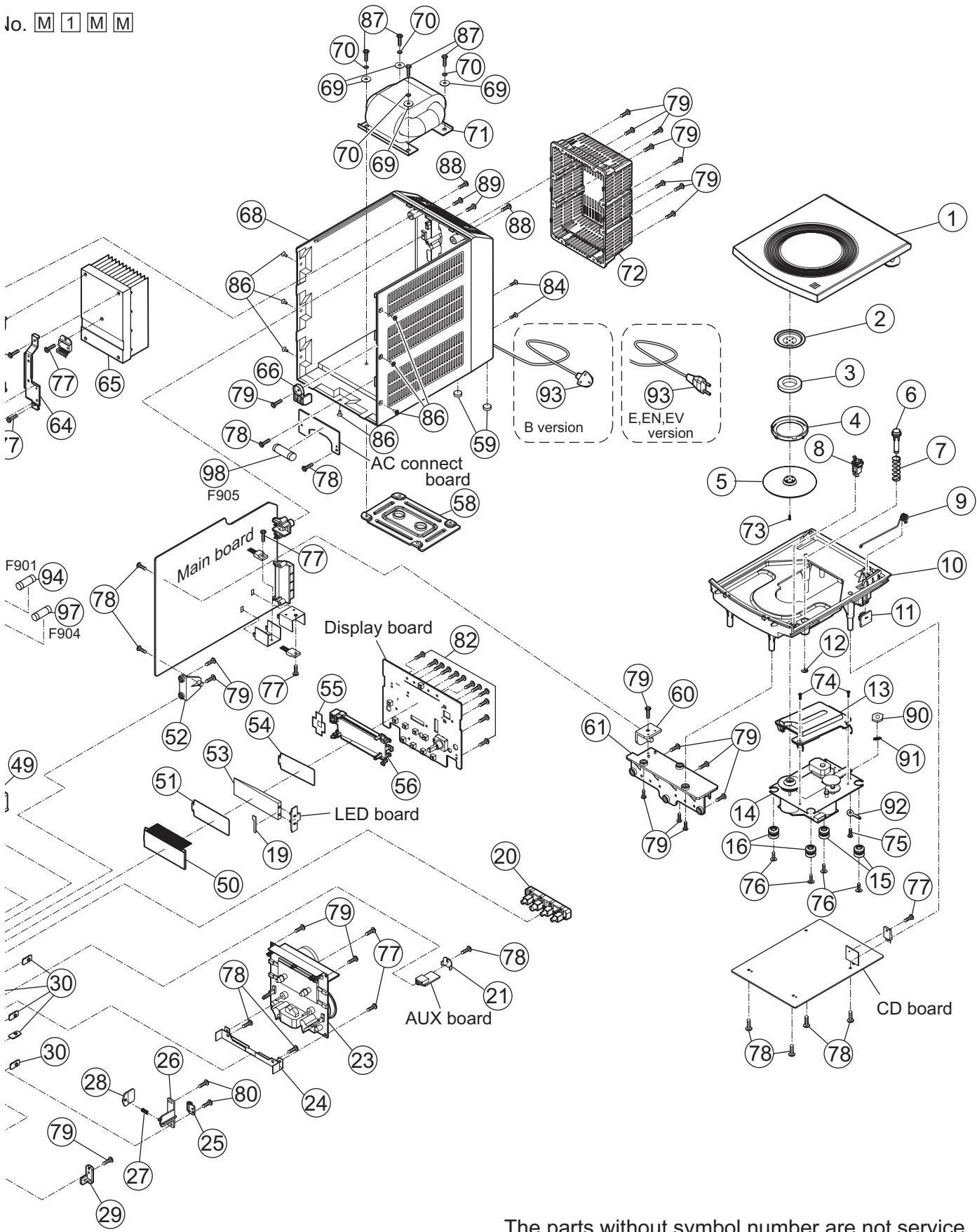
|  |      |
|--|------|
| Exploded view of general assembly and parts list (Block No.M1) ..... | 3- 2 |
| Electrical parts list (Block No.01~04) .....                         | 3- 6 |
| Packing materials and accessories parts list (Block No.M3) .....     | 3-14 |

# Exploded view of general assembly and parts list

Block No. M 1 M M



Jo. M 1 M M



The parts without symbol number are not service.

# General Assembly

Block No. [M][1][M][M]

| △ | Symbol No. | Part No.      | Part Name       | Description        | Local                         |
|---|------------|---------------|-----------------|--------------------|-------------------------------|
|   | 1          | OW66-00300-21 | CD DOOR         |                    |                               |
|   | 2          | OW39-20003-05 | METAL PLATE     |                    |                               |
|   | 3          | OW97-09019-80 | P.C.MAGNET      |                    |                               |
|   | 4          | OW49-00300-12 | STABILIZER RING |                    |                               |
|   | 5          | OW55-07953-83 | STABILIZER      | SANYO CD PICK UP   |                               |
|   | 6          | OW55-00141-80 | ROD             |                    |                               |
|   | 7          | OW36-00003-80 | EJECT SPRING    |                    |                               |
|   | 8          | OW16-10101-81 | CD DOOR SWITCH  |                    |                               |
|   | 9          | OW36-00300-10 | CD DOOR SPRING  |                    |                               |
|   | 10         | OW48-00300-16 | CD TRAY         |                    |                               |
|   | 11         | OW63-00303-80 | DAMPER GEAR     | (x2)               |                               |
|   | 12         | OW35-00003-80 | E RING          |                    |                               |
| △ | 13         | OW48-00088-88 | PICK UP COVER   |                    |                               |
|   | 14         | OW98-20001-00 | CD MECHA        | DA11VF Sanyo       |                               |
|   | 15         | OW81-02750-82 | CD DAMPER       | Blue(x2)           |                               |
|   | 16         | OW81-02750-83 | CD DAMPER       | Gray(x2)           |                               |
|   | 19         | OW81-00300-02 | LCD SPONGE      |                    |                               |
|   | 20         | OW53-20003-02 | KNOB B          |                    |                               |
|   | 21         | OW11-20003-13 | PCB BKT         | (x2)               |                               |
|   | 23         | OW94-34309-00 | CASSETTE MECHA  |                    |                               |
|   | 24         | OW39-00300-21 | MECHA BKT.      |                    |                               |
|   | 25         | OW39-00300-25 | SUPPORT BKT.    |                    |                               |
|   | 26         | OW55-00005-81 | LATCH HOLDER    |                    |                               |
|   | 27         | OW36-00005-80 | CASS SPRING     |                    |                               |
|   | 28         | OW55-00005-80 | LATCH           |                    |                               |
|   | 29         | OW48-00300-20 | SPRING BKT.     |                    |                               |
|   | 30         | OW39-04200-81 | PANEL FIXING    | (x7)               |                               |
|   | 31         | OW60-00300-13 | FRONT CABINET   |                    |                               |
|   | 32         | OW81-00300-00 | RUBBER FOOT     | (x2)               |                               |
|   | 33         | OW36-00300-11 | CASSETTE SPRING |                    |                               |
|   | 34         | OW48-00300-18 | CASS DOOR BKT.  |                    |                               |
|   | 35         | OW48-20003-00 | POST BKT. A     |                    |                               |
|   | 36         | OW66-00300-20 | CASS DOOR       |                    |                               |
|   | 37         | OW43-20003-00 | CASS DOOR LENS  |                    | UXG3_B,UXG3_E,UXG3_EN,UXG3_EV |
|   | 37         | OW43-20003-06 | CASS DOOR LENS  |                    | UXG4_B,UXG4_E,UXG4_EN,UXG4_EV |
|   | 38         | OW48-20003-01 | POST BKT. B     |                    |                               |
|   | 39         | OW49-00300-11 | VOLUME RING     |                    |                               |
|   | 40         | OW53-20003-00 | VOLUME KNOB     |                    |                               |
|   | 41         | OW43-20003-01 | DISPLAY LENS    |                    |                               |
|   | 42         | OW53-00300-15 | SNOOZE KNOB     |                    |                               |
|   | 43         | OW48-00300-19 | SNOOZE KNOB BKT |                    |                               |
|   | 44         | OW53-20003-03 | POWER KNOB      |                    |                               |
|   | 46         | OW39-20003-03 | HEAT SINK A     |                    |                               |
|   | 49         | OW53-20003-01 | FUNCTION KNOB A |                    |                               |
|   | 50         | OW91-80300-00 | LCD DISPLAY     | LCD701             |                               |
|   | 51         | OW43-00300-20 | LCD FILTER      |                    |                               |
|   | 52         | OW48-00300-13 | PCB BKT.        |                    |                               |
|   | 53         | OW43-00300-23 | LIGHT GUIDE     |                    |                               |
|   | 54         | OW68-00300-10 | LCD FILTER      |                    |                               |
|   | 55         | OW68-00300-12 | FELT            |                    |                               |
|   | 56         | OW48-00300-10 | LCD BKT.        |                    |                               |
|   | 58         | OW39-20003-04 | TRANS BKT       |                    |                               |
|   | 59         | OW81-20003-00 | RUBBER FOOT     | (x2)               |                               |
|   | 60         | OW48-00300-12 | PCB BKT. A      |                    |                               |
|   | 61         | OW48-00300-17 | CD TRAY BKT.    |                    |                               |
|   | 62         | OW48-20003-02 | POWER PCB BKT   |                    |                               |
|   | 63         | OW39-20003-01 | HEAT SINK BKT A |                    |                               |
|   | 64         | OW39-20003-02 | HEAT SINK BKT B |                    |                               |
|   | 65         | OW39-20003-06 | HEAT SINK       |                    |                               |
| △ | 66         | OW49-00300-10 | AC CORD HOLDER  |                    |                               |
|   | 68         | OW61-20003-03 | REAR CABINET    |                    |                               |
|   | 69         | OW35-00030-80 | METAL WASHER    | F12 X F4 X 1mm(x4) |                               |
|   | 70         | OW35-30009-80 | SPRING WASHER   | F4 X F7 X 1mm(x4)  |                               |
| △ | 71         | OW15-20003-02 | POWER TRANS     | T901               |                               |
|   | 72         | OW58-20003-00 | REAR CABI COVER |                    |                               |
|   | 73         | OW40-92605-21 | SCREW           | F2.6 X 5           |                               |
|   | 74         | OW40-82006-51 | SCREW           | M2.0 X 6(x2)       |                               |
|   | 75         | OW40-83005-01 | SCREW           | M3.0 X 5           |                               |
|   | 76         | OW40-92610-43 | SCREW           | M2.6 X 10(x4)      |                               |
|   | 77         | OW40-83006-81 | SCREW           | M3.0 X 6(x10)      |                               |
|   | 78         | OW40-93008-11 | SCREW           | M3.0 X 8(x14)      |                               |
|   | 79         | OW40-93010-01 | SCREW           | M3.0 X 10(x21)     |                               |
|   | 80         | OW40-92610-01 | SCREW           | M2.6 X 10(x2)      |                               |
|   | 81         | OW40-00012-02 | SCREW           | M3 X 8(x4)         |                               |

|   | Symbol No. | Part No.      | Part Name     | Description      | Local   |
|---|------------|---------------|---------------|------------------|---|
|   | 82         | OW40-92608-11 | SCREW         | M2.6 X 8(x12)    |   |
|   | 83         | OW40-83010-52 | SCREW         | M3.0 X 10(x4)    |   |
|   | 84         | OW40-93012-01 | SCREW         | M3 X 12(x6)      |   |
|   | 85         | OW40-93012-03 | SCREW         | F3 X 12 WH/ST ZN |   |
|   | 86         | OW40-83006-22 | SCREW         | M3.0 X 6(x7)     |   |
|   | 87         | OW40-84012-01 | SCREW         | M4.0 X 12(x4)    |   |
|   | 88         | OW40-93014-01 | SCREW         | M3.0 X 14(x2)    |   |
|   | 89         | OW40-92612-01 | SCREW         | M2.6 X 12(x2)    |   |
|   | 90         | OW35-40007-80 | STEEL NUT     |                  |   |
|   | 91         | OW35-20001-80 | TOOTH WASHER  | M3               |   |
|   | 92         | OW35-30005-80 | SOLDERING LUG |                  |   |
| △ | 93         | OW30-20001-11 | POWER CORD    |                  | UXG3_B,UXG4_B                                     |
| △ | 93         | OW30-20001-10 | POWER CORD    |                  | UXG3_E,UXG3_EN,UXG3_EV,UXG4_E,U<br>XG4_EN,UXG4_EV |
| △ | 94         | OW33-57162-81 | FUSE          | 1.6A 250V F901   |   |
| △ | 95         | OW33-57402-80 | FUSE          | 4A 250V F902     |   |
| △ | 96         | OW33-57402-80 | FUSE          | 4A 250V F903     |   |
| △ | 97         | OW33-57102-80 | FUSE          | 1A 250V F904     |   |
| △ | 98         | OW33-57102-80 | FUSE          | 1A 250V F905     |   |

# Electrical parts list

## Main board

### Block No. [0][1]

| △ Symbol No. | Part No.  | Part Name      | Description    | Local |
|--------------|-----------|----------------|----------------|-------|
| IC101        | TA2099    | IC             | OW03-02099-00  |       |
| IC102        | TC9257F   | IC             | OW03-09257-81  |       |
| IC201        | UPC1330HA | IC             | OW03-01330-00  |       |
| IC202        | AN7312E   | IC             | OW03-07312-80  |       |
| IC301        | TC9422F   | IC             | OW03-09422-00  |       |
| IC401        | LM4809MM  | IC             | OW03-04809-00  |       |
| △ IC402      | KA78R12   | IC             | OW03-07812-04  |       |
| Q101         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| Q102         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q103         | 9018      | TRANSISTOR     | OW01-09018-81  |       |
| Q104         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| Q105         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q106         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q107         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q108         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| Q109         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q110         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q111         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q112         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q113         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q114         | 9018      | TRANSISTOR     | OW01-09018-81  |       |
| Q208         | 2SC2412K  | TRANSISTOR     | OW01-02412-80  |       |
| Q209         | 2SC945-P  | TRANSISTOR     | OW01-00945-80  |       |
| Q210         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| Q211         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q212         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q213         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q214         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q215         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q216         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q217         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q218         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q219         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q220         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q221         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q222         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q401         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q402         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q403         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q404         | 8050      | TRANSISTOR     | OW01-08050-81  |       |
| Q405         | 8550D     | TRANSISTOR     | OW01-08550-04B |       |
| Q406         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q407         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| Q408         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| △ Q409       | 2SC1383R  | TRANSISTOR     | OW01-01383-80  |       |
| Q410         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q441         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q442         | 8550      | TRANSISTOR     | OW01-08550-86  |       |
| △ Q443       | 2SB1375   | TRANSISTOR     | OW01-01375-80  |       |
| Q444         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q445         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| Q481         | 2SC1383R  | TRANSISTOR     | OW01-01383-80  |       |
| Q482         | 2SC945P   | TRANSISTOR     | OW01-09014-85  |       |
| D103         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D104         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D107         | SVC348T   | VARI CAP DIODE | OW02-00348-81B |       |
| D108         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D201         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D202         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D302         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D401         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D402         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D403         | 1N4001    | DIODE          | OW02-04001-81  |       |
| D404         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D441         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D442         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D443         | 1N4148    | GE DIODE       | OW02-04148-81  |       |
| D705         | KL-3M4    | LED            | OW02-30005-80  |       |
| D706         | KL-3M4    | LED            | OW02-30005-80  |       |
| D101A        | 1N4148    | GE DIODE       | OW02-04148-81  |       |

| △ Symbol No. | Part No.       | Part Name   | Description   | Local |
|--------------|----------------|-------------|---------------|-------|
| D102A        | 1N4148         | GE DIODE    | OW02-04148-81 |       |
| C1           | OW05-77102-10  | C CAPACITOR | Axial 1000pF  |       |
| C2           | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       |
| C4           | OW05-73101-05  | C CAPACITOR | 100pF         |       |
| C5           | OW05-73101-05  | C CAPACITOR | 100pF         |       |
| C7           | OW05-73103-00  | C CAPACITOR | 0.01uF        |       |
| C9           | OW05-77103-20  | C CAPACITOR | Axial 0.01uF  |       |
| C11          | OW05-73200-05  | C CAPACITOR | 20pF          |       |
| C18          | OW05-73221-05  | C CAPACITOR | 220pF         |       |
| C19          | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       |
| C20          | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       |
| C21          | OW05-77103-20  | C CAPACITOR | Axial 0.01uF  |       |
| C22          | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       |
| C23          | OW05-77103-20  | C CAPACITOR | Axial 0.01uF  |       |
| C24          | OW05-77103-20  | C CAPACITOR | Axial 0.01uF  |       |
| C25          | OW05-77103-20  | C CAPACITOR | Axial 0.01uF  |       |
| C29          | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C30          | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C100         | OW05-73473-00  | C CAPACITOR | 0.047uF       |       |
| C101         | OW06-71477-20  | E CAPACITOR | 470uF 16V     |       |
| C102         | OW05-70104-00  | C CAPACITOR | 0.1uF 50V     |       |
| C103         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C104         | OW07-75000-06F | C RESISTOR  | 0Ω 1/16W      |       |
| C105         | OW07-75000-06F | C RESISTOR  | 0Ω 1/16W      |       |
| C106         | OW05-73103-00  | C CAPACITOR | 0.01uF        |       |
| C107         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C109         | OW05-70223-10  | C CAPACITOR | 0.022uF       |       |
| C110         | OW05-70050-05  | C CAPACITOR | 5pF 50V       |       |
| C111         | OW05-70108-05  | C CAPACITOR | 18pF 50V      |       |
| C112         | OW05-79361-05  | P CAPACITOR | 360pF         |       |
| C113         | OW05-70220-05  | C CAPACITOR | 22pF          |       |
| C114         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C115         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C116         | OW06-72336-20  | E CAPACITOR | 33uF 25V      |       |
| C117         | OW05-73020-05  | C CAPACITOR | 2pF           |       |
| C118         | OW06-75105-20  | E CAPACITOR | 1uF 50V       |       |
| C119         | OW05-73221-05  | C CAPACITOR | 220pF         |       |
| C120         | OW05-73471-05  | C CAPACITOR | 470pF         |       |
| C121         | OW06-75105-20  | E CAPACITOR | 1uF 50V       |       |
| C122         | OW06-75474-20  | E CAPACITOR | 0.47uF 50V    |       |
| C123         | OW06-75105-20  | E CAPACITOR | 1uF 50V       |       |
| C124         | OW06-75104-20  | E CAPACITOR | 0.1uF 50V     |       |
| C125         | OW05-73300-05  | C CAPACITOR | 30pF          |       |
| C126         | OW05-73103-00  | C CAPACITOR | 0.01uF        |       |
| C127         | OW05-73103-00  | C CAPACITOR | 0.01uF        |       |
| C128         | OW05-73103-00  | C CAPACITOR | 0.01uF        |       |
| C129         | OW06-75105-20  | E CAPACITOR | 1uF 50V       |       |
| C130         | OW05-70104-00  | C CAPACITOR | 0.1uF 50V     |       |
| C131         | OW06-75225-20  | E CAPACITOR | 2.2uF 50V     |       |
| C132         | OW06-71477-20  | E CAPACITOR | 470uF 16V     |       |
| C133         | OW05-70104-00  | C CAPACITOR | 0.1uF 50V     |       |
| C134         | OW06-75104-20  | E CAPACITOR | 0.1uF 50V     |       |
| C135         | OW06-75104-20  | E CAPACITOR | 0.1uF 50V     |       |
| C136         | OW05-73392-00  | C CAPACITOR | 0.0039uF      |       |
| C137         | OW05-73392-00  | C CAPACITOR | 0.0039uF      |       |
| C138         | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C139         | OW05-70104-00  | C CAPACITOR | 0.1uF 50V     |       |
| C140         | OW06-70227-20  | E CAPACITOR | 220uF 10V     |       |
| C141         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C142         | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C143         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C144         | OW06-75335-20  | E CAPACITOR | 3.3uF 50V     |       |
| C145         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C146         | OW05-77223-82  | C CAPACITOR | Axial 0.022uF |       |
| C147         | OW06-71227-20  | E CAPACITOR | 220uF 16V     |       |
| △ C148       | OW06-75105-20  | E CAPACITOR | 1uF 50V       |       |
| C149         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C150         | OW05-73330-05  | C CAPACITOR | 33pF          |       |
| C151         | OW05-73330-05  | C CAPACITOR | 33pF          |       |
| C152         | OW05-73330-05  | C CAPACITOR | 33pF          |       |
| C153         | OW05-73101-05  | C CAPACITOR | 100pF         |       |
| C154         | OW05-73101-05  | C CAPACITOR | 100pF         |       |
| C155         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| C156         | OW06-70227-20  | E CAPACITOR | 220uF 10V     |       |
| C157         | OW05-73820-05  | C CAPACITOR | 82pF          |       |

| △ Symbol No. | Part No.       | Part Name   | Description | Local | △ Symbol No. | Part No.       | Part Name    | Description   | Local |
|--------------|----------------|-------------|-------------|-------|--------------|----------------|--------------|---------------|-------|
| C161         | OW05-73101-05  | C CAPACITOR | 100pF       |       | C325         | OW06-75334-20  | E CAPACITOR  | 0.33uF 50V    |       |
| C162         | OW05-77474-82  | C CAPACITOR | 360pF 50V   |       | C326         | OW06-75334-20  | E CAPACITOR  | 0.33uF 50V    |       |
| C201         | OW05-72152-10  | M CAPACITOR | 0.0015uF    |       | C327         | OW05-73103-00  | C CAPACITOR  | 0.01uF        |       |
| C202         | OW05-72183-10  | M CAPACITOR | 0.018uF     |       | C328         | OW05-73103-00  | C CAPACITOR  | 0.01uF        |       |
| C203         | OW05-73104-00  | C CAPACITOR | 0.1uF       |       | C329         | OW06-75475-20  | E CAPACITOR  | 4.7uF 50V     |       |
| C204         | OW05-72102-10  | M CAPACITOR | 0.001uF     |       | C330         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C205         | OW05-72102-10  | M CAPACITOR | 0.001uF     |       | C335         | OW05-77221-05  | C CAPACITOR  | Axial 220pF   |       |
| C206         | OW06-71107-20  | E CAPACITOR | 100uF 16V   |       | C401         | OW06-75225-20  | E CAPACITOR  | 2.2uF 50V     |       |
| C207         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | C402         | OW06-75225-20  | E CAPACITOR  | 2.2uF 50V     |       |
| C208         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | C403         | OW06-71336-20  | E CAPACITOR  | 33uF 16V      |       |
| C209         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | C405         | OW06-75105-20  | E CAPACITOR  | 1uF 50V       |       |
| C210         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | C406         | OW06-75105-20  | E CAPACITOR  | 1uF 50V       |       |
| C211         | OW06-72106-20  | E CAPACITOR | 10uF 25V    |       | C407         | OW05-73101-05  | C CAPACITOR  | 100pF         |       |
| C213         | OW05-73820-05  | C CAPACITOR | 82pF        |       | C408         | OW05-73101-05  | C CAPACITOR  | 100pF         |       |
| C214         | OW05-73820-05  | C CAPACITOR | 82pF        |       | C410         | OW06-75475-20  | E CAPACITOR  | 4.7uF 50V     |       |
| C215         | OW05-73182-00  | C CAPACITOR | 1800pF      |       | C411         | OW06-70227-20  | E CAPACITOR  | 220uF 10V     |       |
| C216         | OW05-73182-00  | C CAPACITOR | 1800pF      |       | C412         | OW06-70227-20  | E CAPACITOR  | 220uF 10V     |       |
| C217         | OW06-75105-20  | E CAPACITOR | 1uF 50V     |       | C413         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C218         | OW06-75105-20  | E CAPACITOR | 1uF 50V     |       | C414         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C221         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | C415         | OW06-71107-20  | E CAPACITOR  | 100uF 16V     |       |
| C222         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | C416         | OW05-73223-00  | C CAPACITOR  | 0.022uF       |       |
| C223         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | C417         | OW06-70227-20  | E CAPACITOR  | 220uF 10V     |       |
| C224         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | C418         | OW06-71107-20  | E CAPACITOR  | 100uF 16V     |       |
| C225         | OW05-73151-05  | C CAPACITOR | 150pF       |       | C419         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C226         | OW05-73151-05  | C CAPACITOR | 150pF       |       | △ C420       | OW06-72228-21  | E CAPACITOR  | 2200uF 25V    |       |
| C227         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | C421         | OW06-70227-20  | E CAPACITOR  | 220uF 10V     |       |
| C228         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | C422         | OW05-77223-82  | C CAPACITOR  | Axial 0.022uF |       |
| C229         | OW05-73272-00  | C CAPACITOR | 2700pF      |       | C423         | OW06-71476-20  | E CAPACITOR  | 47uF 16V      |       |
| C230         | OW05-73272-00  | C CAPACITOR | 2700pF      |       | C424         | OW06-72226-20  | E CAPACITOR  | 22uF 25V      |       |
| C231         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | C425         | OW05-73223-00  | C CAPACITOR  | 0.022uF       |       |
| C232         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | C426         | OW06-77104-82  | C CAPACITOR  | 0.1uF         |       |
| C233         | OW05-73563-06F | C CAPACITOR | 0.056uF     |       | C427         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C234         | OW05-73563-06F | C CAPACITOR | 0.056uF     |       | C441         | OW06-75335-20  | E CAPACITOR  | 3.3uF 50V     |       |
| C235         | OW05-73101-05  | C CAPACITOR | 100pF       |       | C442         | OW06-72106-20  | E CAPACITOR  | 10uF 25V      |       |
| C236         | OW05-73101-05  | C CAPACITOR | 100pF       |       | C482         | OW06-71476-20  | E CAPACITOR  | 47uF 16V      |       |
| C237         | OW05-73331-05  | C CAPACITOR | 330pF       |       | C484         | OW05-73223-00  | C CAPACITOR  | 0.022uF       |       |
| C238         | OW05-73331-05  | C CAPACITOR | 330pF       |       | C485         | OW06-72106-20  | E CAPACITOR  | 10uF 25V      |       |
| C239         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | C486         | OW06-71477-20  | E CAPACITOR  | 470uF 16V     |       |
| C240         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | C805         | OW05-70473-10  | C CAPACITOR  | 0.047uF 50V   |       |
| C241         | OW05-73473-00  | C CAPACITOR | 0.047uF     |       | C806         | OW05-70102-10  | C CAPACITOR  | 0.001uF       |       |
| C242         | OW05-73473-00  | C CAPACITOR | 0.047uF     |       | C811         | OW05-70103-10  | C CAPACITOR  | 0.01uF        |       |
| C243         | OW06-75224-20  | E CAPACITOR | 0.22uF 50V  |       | C815         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C244         | OW06-75224-20  | E CAPACITOR | 0.22uF 50V  |       | C816         | OW05-73104-00  | C CAPACITOR  | 0.1uF         |       |
| C245         | OW06-72106-20  | E CAPACITOR | 10uF 25V    |       | TC101        | OW05-08100-80  | TR CAPACITOR | 10pF 3P       |       |
| C246         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | R100         | OW07-75103-06  | C RESISTOR   | 10KΩ 1/16W    |       |
| C247         | OW06-71476-20  | E CAPACITOR | 47uF 16V    |       | R101         | OW07-75472-06  | C RESISTOR   | 4.7KΩ 1/16W   |       |
| C248         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | R102         | OW07-75561-06  | C RESISTOR   | 560Ω 1/16W    |       |
| C249         | OW05-73271-05  | C CAPACITOR | 270pF       |       | R103         | OW07-75332-06  | C RESISTOR   | 3.3KΩ 1/16W   |       |
| C250         | OW05-73271-05  | C CAPACITOR | 270pF       |       | R104         | OW07-75331-06  | C RESISTOR   | 330Ω 1/16W    |       |
| C251         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | R105         | OW07-75471-06  | C RESISTOR   | 470Ω 1/16W    |       |
| C252         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | R106         | OW07-74101-50T | C RESISTOR   | 100Ω 1/8W     |       |
| C253         | OW05-72103-10  | M CAPACITOR | 0.01uF      |       | R107         | OW07-75100-06  | C RESISTOR   | 10Ω 1/16W     |       |
| C254         | OW06-77104-82  | C CAPACITOR | 0.1uF       |       | R108         | OW07-75103-06  | C RESISTOR   | 10KΩ 1/16W    |       |
| C255         | OW06-77104-82  | C CAPACITOR | 0.1uF       |       | R109         | OW07-75223-06  | C RESISTOR   | 22KΩ 1/16W    |       |
| C301         | OW05-73471-00  | C CAPACITOR | 470pF       |       | R110         | OW07-75103-06  | C RESISTOR   | 10KΩ 1/16W    |       |
| C302         | OW05-73471-00  | C CAPACITOR | 470pF       |       | R111         | OW07-74103-50T | C RESISTOR   | 10KΩ 1/8W     |       |
| C303         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | R112         | OW07-75274-06  | C RESISTOR   | 270KΩ 1/16W   |       |
| C304         | OW05-73102-00  | C CAPACITOR | 1000pF      |       | R113         | OW07-75104-06  | C RESISTOR   | 100KΩ 1/16W   |       |
| △ C305       | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R114         | OW07-75104-06  | C RESISTOR   | 100KΩ 1/16W   |       |
| C306         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R115         | OW07-75223-06  | C RESISTOR   | 22KΩ 1/16W    |       |
| C307         | OW05-73152-00  | C CAPACITOR | 1500pF      |       | R116         | OW07-75122-06  | C RESISTOR   | 1.2 KΩ 1/16W  |       |
| C308         | OW05-73152-00  | C CAPACITOR | 1500pF      |       | R117         | OW07-75101-06  | C RESISTOR   | 100Ω 1/16W    |       |
| C309         | OW05-73223-00  | C CAPACITOR | 0.022uF     |       | R118         | OW07-75332-06  | C RESISTOR   | 3.3KΩ 1/16W   |       |
| C310         | OW06-70227-20  | E CAPACITOR | 220uF 10V   |       | R119         | OW07-75223-06  | C RESISTOR   | 22KΩ 1/16W    |       |
| C311         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R120         | OW07-75273-06  | C RESISTOR   | 27KΩ 1/16W    |       |
| C312         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R121         | OW07-75183-06  | C RESISTOR   | 18KΩ 1/16W    |       |
| C313         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R122         | OW07-75222-06  | C RESISTOR   | 2.2KΩ 1/16W   |       |
| C314         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R123         | OW07-75104-06  | C RESISTOR   | 100KΩ 1/16W   |       |
| C315         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R124         | OW07-75223-06  | C RESISTOR   | 22KΩ 1/16W    |       |
| C316         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R125         | OW07-75102-06  | C RESISTOR   | 1KΩ 1/16W     |       |
| C317         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R126         | OW07-75104-06  | C RESISTOR   | 100KΩ 1/16W   |       |
| C318         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R127         | OW07-75102-06  | C RESISTOR   | 1KΩ 1/16W     |       |
| C319         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R128         | OW07-75562-06  | C RESISTOR   | 5.6KΩ 1/16W   |       |
| C320         | OW06-75475-20  | E CAPACITOR | 4.7uF 50V   |       | R129         | OW07-75562-06  | C RESISTOR   | 5.6KΩ 1/16W   |       |
| C321         | OW05-73104-00  | C CAPACITOR | 0.1uF       |       | R130         | OW07-75103-06  | C RESISTOR   | 10KΩ 1/16W    |       |
| C322         | OW05-73104-00  | C CAPACITOR | 0.1uF       |       | R131         | OW07-75103-06  | C RESISTOR   | 10KΩ 1/16W    |       |
| C323         | OW06-75105-20  | E CAPACITOR | 1uF 50V     |       | R132         | OW07-75332-06  | C RESISTOR   | 3.3KΩ 1/16W   |       |

| △ Symbol No. | Part No.       | Part Name  | Description | Local | △ Symbol No. | Part No.       | Part Name  | Description  | Local |
|--------------|----------------|------------|-------------|-------|--------------|----------------|------------|--------------|-------|
| R133         | OW07-75563-06  | C RESISTOR | 56KΩ 1/16W  |       | R254         | OW07-75823-06  | C RESISTOR | 82KΩ 1/16W   |       |
| R134         | OW07-75183-06  | C RESISTOR | 18KΩ 1/16W  |       | R255         | OW07-75750-06  | C RESISTOR | 75Ω 1/16W    |       |
| R135         | OW07-75183-06  | C RESISTOR | 18KΩ 1/16W  |       | R256         | OW07-75750-06  | C RESISTOR | 75Ω 1/16W    |       |
| R136         | OW07-75562-06  | C RESISTOR | 5.6KΩ 1/16W |       | R257         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R137         | OW07-75562-06  | C RESISTOR | 5.6KΩ 1/16W |       | R258         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R138         | OW07-75473-06  | C RESISTOR | 47KΩ 1/16W  |       | R259         | OW07-75473-06  | C RESISTOR | 47KΩ 1/16W   |       |
| R139         | OW07-74151-50T | C RESISTOR | 150Ω 1/8W   |       | R260         | OW07-75124-06  | C RESISTOR | 120KΩ 1/16W  |       |
| R140         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R261         | OW07-75124-06  | C RESISTOR | 120KΩ 1/16W  |       |
| R141         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | R301         | OW07-75473-06  | C RESISTOR | 47KΩ 1/16W   |       |
| R142         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R302         | OW07-75473-06  | C RESISTOR | 47KΩ 1/16W   |       |
| R143         | OW07-74103-50T | C RESISTOR | 10KΩ 1/8W   |       | R303         | OW07-75123-06  | C RESISTOR | 12KΩ 1/16W   |       |
| R144         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R304         | OW07-75123-06  | C RESISTOR | 12KΩ 1/16W   |       |
| R145         | OW07-75152-06  | C RESISTOR | 1.5KΩ 1/16W |       | R305         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R146         | OW07-74221-50T | C RESISTOR | 220Ω 1/8W   |       | R306         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R147         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R307         | OW07-75223-06  | C RESISTOR | 27KΩ 1/16W   |       |
| R148         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | R308         | OW07-75273-06  | C RESISTOR | 27KΩ 1/16W   |       |
| R149         | OW07-75561-06  | C RESISTOR | 560Ω 1/16W  |       | R309         | OW07-75822-06  | C RESISTOR | 8.2KΩ 1/16W  |       |
| R150         | OW07-75152-06  | C RESISTOR | 1.5KΩ 1/16W |       | R310         | OW07-75822-06  | C RESISTOR | 8.2KΩ 1/16W  |       |
| R151         | OW07-75000-06F | C RESISTOR | 0Ω 1/16W    |       | R311         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R152         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R312         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R153         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R315         | OW07-74331-50T | C RESISTOR | 33Ω 1/8W     |       |
| R154         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R317         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R155         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | R318         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R156         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | R321         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R157         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | R322         | OW07-75222-06  | C RESISTOR | 2.2KΩ 1/16W  |       |
| R158         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R323         | OW07-74100-05T | C RESISTOR | 10KΩ 1/8W    |       |
| R159         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R333         | OW07-74103-50T | C RESISTOR | 10KΩ 1/8W    |       |
| R160         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R334         | OW07-74103-50T | C RESISTOR | 10KΩ 1/8W    |       |
| R162         | OW07-74103-50T | C RESISTOR | 10KΩ 1/8W   |       | R335         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R163         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R401         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R199         | OW07-75223-06  | C RESISTOR | 22KΩ 1/16W  |       | R402         | OW07-75562-06  | C RESISTOR | 5.6KΩ 1/16W  |       |
| R201         | OW07-74221-50T | C RESISTOR | 220Ω 1/8W   |       | R403         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R202         | OW07-74102-50T | C RESISTOR | 1KΩ 1/8W    |       | R404         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R207         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R405         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R208         | OW07-75473-06  | C RESISTOR | 47KΩ 1/16W  |       | R406         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R209         | OW07-74273-50T | C RESISTOR | 27KΩ 1/8W   |       | R407         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W  |       |
| R210         | OW07-74047-05T | C RESISTOR | 4.7Ω 1/8W   |       | R408         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W  |       |
| R211         | OW07-74220-50T | C RESISTOR | 22Ω 1/8W    |       | R409         | OW07-75123-06  | C RESISTOR | 12KΩ 1/16W   |       |
| R212         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W |       | R410         | OW07-75123-06  | C RESISTOR | 12KΩ 1/16W   |       |
| R213         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R413         | OW07-75047-06  | C RESISTOR | 4.7Ω 1/16W   |       |
| R214         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R414         | OW07-75047-06  | C RESISTOR | 4.7Ω 1/16W   |       |
| R215         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R415         | OW07-75103-06  | C RESISTOR | 15Ω 1/16W    |       |
| R216         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W |       | R416         | OW07-75103-06  | C RESISTOR | 15Ω 1/16W    |       |
| R217         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R417         | OW07-75471-06  | C RESISTOR | 470Ω 1/16W   |       |
| R218         | OW07-75223-06  | C RESISTOR | 22KΩ 1/16W  |       | R418         | OW07-75471-06  | C RESISTOR | 470Ω 1/16W   |       |
| R219         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W  |       | R419         | OW07-74103-50T | C RESISTOR | 10KΩ 1/8W    |       |
| R220         | OW07-74101-00T | C RESISTOR | 100Ω 1/4W   |       | R420         | OW07-74470-50T | C RESISTOR | 47Ω 1/8W     |       |
| R221         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R421         | OW07-75122-06  | C RESISTOR | 1.2 KΩ 1/16W |       |
| R222         | OW07-74221-00T | C RESISTOR | 220Ω 1/4W   |       | R422         | OW07-74220-50T | C RESISTOR | 22Ω 1/8W     |       |
| R223         | OW07-74102-50T | C RESISTOR | 1KΩ 1/8W    |       | △ R423       | OW07-74102-50T | C RESISTOR | 1KΩ 1/8W     |       |
| R224         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W   |       | △ R424       | OW07-75223-06  | C RESISTOR | 22KΩ 1/16W   |       |
| R225         | OW07-75124-06  | C RESISTOR | 120KΩ 1/16W |       | R425         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W    |       |
| R226         | OW07-75124-06  | C RESISTOR | 120KΩ 1/16W |       | R426         | OW07-74022-10  | C RESISTOR | 2.2Ω 1/2W    |       |
| R227         | OW07-75104-06  | C RESISTOR | 1Ω 1/16W    |       | R427         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R228         | OW07-74331-50T | C RESISTOR | 33Ω 1/8W    |       | R428         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R229         | OW07-75183-06  | C RESISTOR | 18KΩ 1/16W  |       | R429         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R230         | OW07-75183-06  | C RESISTOR | 18KΩ 1/16W  |       | R430         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R231         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W |       | R431         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R232         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W |       | R432         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R233         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R433         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R234         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R434         | OW07-74100-00T | C RESISTOR | 10Ω 1/4W     |       |
| R237         | OW07-74102-50T | C RESISTOR | 1KΩ 1/8W    |       | R435         | OW07-74561-50T | C RESISTOR | 560Ω 1/8W    |       |
| R238         | OW07-74102-50T | C RESISTOR | 1KΩ 1/8W    |       | R436         | OW07-75000-06F | C RESISTOR | 0Ω 1/16W     |       |
| R239         | OW07-75180-06  | C RESISTOR | 18Ω 1/16W   |       | R441         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R240         | OW07-75180-06  | C RESISTOR | 18Ω 1/16W   |       | R442         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R241         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R443         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W    |       |
| R242         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R444         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R243         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R445         | OW07-75103-06  | C RESISTOR | 10KΩ 1/16W   |       |
| R244         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R446         | OW07-75223-06  | C RESISTOR | 27KΩ 1/16W   |       |
| R245         | OW07-75472-06  | C RESISTOR | 4.7KΩ 1/16W |       | R448         | OW07-74563-50T | C RESISTOR | 56KΩ 1/8W    |       |
| R246         | OW07-74472-50T | C RESISTOR | 4.7 KΩ 1/8W |       | R449         | OW07-75751-06  | C RESISTOR | 750Ω 1/16W   |       |
| R247         | OW07-75153-06  | C RESISTOR | 15KΩ 1/16W  |       | R450         | OW07-75272-06  | C RESISTOR | 2.7 KΩ 1/16W |       |
| R248         | OW07-75153-06  | C RESISTOR | 15KΩ 1/16W  |       | R451         | OW07-75562-06  | C RESISTOR | 5.6KΩ 1/16W  |       |
| R249         | OW07-75153-06  | C RESISTOR | 15KΩ 1/16W  |       | R460         | OW07-75332-06  | C RESISTOR | 3.3KΩ 1/16W  |       |
| R250         | OW07-75153-06  | C RESISTOR | 15KΩ 1/16W  |       | R463         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R251         | OW07-75333-06  | C RESISTOR | 33 KΩ 1/16W |       | R464         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R252         | OW07-75684-06  | C RESISTOR | 680KΩ 1/16W |       | R465         | OW07-75104-06  | C RESISTOR | 100KΩ 1/16W  |       |
| R253         | OW07-75823-06  | C RESISTOR | 82KΩ 1/16W  |       | R481         | OW07-75102-06  | C RESISTOR | 1KΩ 1/16W    |       |

| △ Symbol No. | Part No.       | Part Name      | Description       | Local | △ Symbol No. | Part No.      | Part Name      | Description         | Local |
|--------------|----------------|----------------|-------------------|-------|--------------|---------------|----------------|---------------------|-------|
| R483         | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz      |       | TIE1E1       | OW31-50040-80 | UL WIRE        | 40mm BLK            |       |
| R484         | OW07-75333-06  | C RESISTOR     | 33 KΩ 1/16W       |       | TIE1E4       | OW31-50040-80 | UL WIRE        | 40mm BLK            |       |
| R485         | OW07-74391-00T | C RESISTOR     | 47Ω 1/8W          |       | TIE1E7       | OW31-50040-80 | UL WIRE        | 40mm BLK            |       |
| R486         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W        |       | TIE1E8       | OW31-50040-80 | UL WIRE        | 40mm BLK            |       |
| R801         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W        |       | X101         | OW04-07200-80 | CRYSTAL        | 7.2MHz              |       |
| R802         | OW07-75000-06F | C RESISTOR     | 0Ω 1/16W          |       | XXXXX        | OW20-61031-21 | CONNECTOR WIRE | 3P AUX PCB CON301   |       |
| R803         | OW07-75222-06  | C RESISTOR     | 2.2KΩ 1/16W       |       | XXXXX        | OW08-04344-23 | FERRITE CORE   | T18X10 X12 CASSMECH |       |
| R804         | OW07-75222-06  | C RESISTOR     | 2.2KΩ 1/16W       |       | XXXXX        | OW20-61063-82 | CONNECTOR WIRE | CN201 TO CASSHEAD   |       |
| R805         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W        |       | XXXXX        | OW08-04344-14 | FERRITE CORE   | For AUX AUDIO       |       |
| R806         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W        |       | XXXXX        | OW08-04344-14 | FERRITE CORE   | T16X12X8 FOR PHONE  |       |
| R449A        | OW07-75751-06  | C RESISTOR     | 750Ω 1/16W        |       | XXXXX        | OW32-92415-50 | UL WIRE        | L=415 FM ANT        |       |
| L102         | OW09-70101-82T | COIL           | 10mH              |       | XXXXX        | OW08-04344-50 | FERRITE CORE   | For FM ANT          |       |
| L103         | OW08-86436-80  | AM ANT COIL    | 0A10-864367       |       | XXXXX        | OW32-92160-80 | UL WIRE        | L=160 BLK For FMOSC |       |
| L104         | OW08-01014-82  | IFT COIL       | Red 1A1014N       |       | XXXXX        | OW25-23050-82 | CONNECTOR      | 2P LED PCB CON706   |       |
| L105         | OW08-73995-80  | FM DET COIL    | 7mm 114KHz        |       | XXXXX        | OW11-20003-08 | MAIN PCB       |                     |       |
| L106         | OW09-70101-82T | COIL           | 10mH              |       | XXXXX        | OW20-42041-82 | CONNECTOR WIRE | 4P PHONE PCB CON401 |       |
| △L201        | OW09-40474-80  | CHOKE COIL     | 47mH              |       | XXXXX        | OW39-09025-84 | HEAT SINK      | IC402               |       |
| L202         | OW09-40474-80  | CHOKE COIL     | 47mH              |       | XXXXX        | OW39-09025-84 | HEAT SINK      | Q443                |       |
| L203         | OW08-00053-80  | OSC COIL       |                   |       | XXXXX        | OW84-00003-80 | CABLE TIE      | 4 UL                |       |
| L204         | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz      |       | XXXXX        | OW84-00004-82 | ROUND WIRE     | 60mm                |       |
| L205         | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz      |       | △Z101        | 10V0.5W       | Z DIODE        | OW02-50100-80       |       |
| L301         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       | △Z401        | 5.6V0.5W      | Z DIODE        | OW02-50056-80       |       |
| L302         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       | △Z402        | 9.1V0.5W      | Z DIODE        | OW02-50091-81       |       |
| L303         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       | △Z441        | 6.2V0.5W      | Z DIODE        | OW02-50062-80       |       |
| L304         | OW09-70222-83T | COIL           | 220mH             |       | △Z481        | 6.2V0.5W      | Z DIODE        | OW02-50062-80       |       |
| L401         | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz      |       |              |               |                |                     |       |
| L402         | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz      |       |              |               |                |                     |       |
| L403         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       |              |               |                |                     |       |
| L404         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       |              |               |                |                     |       |
| L405         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       |              |               |                |                     |       |
| L406         | OW08-04446-00  | FERRITE COIL   | 4T 46mH           |       |              |               |                |                     |       |
| L481         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246    |       |              |               |                |                     |       |
| L482         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246    |       |              |               |                |                     |       |
| L801         | OW09-40080-82  | CHOKE COIL     | 8mH               |       |              |               |                |                     |       |
| L802         | OW09-40080-82  | CHOKE COIL     | 8mH               |       |              |               |                |                     |       |
| L803         | OW09-40080-82  | CHOKE COIL     | 8mH               |       |              |               |                |                     |       |
| L804         | OW09-40080-82  | CHOKE COIL     | 8mH               |       |              |               |                |                     |       |
| L901         | OW09-00400-00O | CHOKE COIL     | 12.7 X 7.5 X 5    |       |              |               |                |                     |       |
| T101         | OW08-00332-84  | IFT COIL       | Yellow 810017     |       |              |               |                |                     |       |
| AC-BLU       | OW37-00020-80  | EYELET         | D=2 X 4mm         |       | △IC801       | LM4731TA      | IC             | OW03-04731-80       |       |
| AC-BRN       | OW37-00020-80  | EYELET         | D=2 X 4mm         |       | △IC901       | RS602         | IC             | OW02-00602-80       |       |
| ACOUT 1      | OW37-00020-80  | EYELET         | D=2 X 4mm         |       | Q801         | 8050          | TRANSISTOR     | OW01-08050-81       |       |
| ACOUT 2      | OW37-00020-80  | EYELET         | D=2 X 4mm         |       | Q803         | 8050          | TRANSISTOR     | OW01-08050-81       |       |
| BF101        | OW09-80001-80  | FM BP FILTER   | BPF-10833KF       |       | Q804         | 2SC945-P      | TRANSISTOR     | OW01-00945-80       |       |
| CF101        | OW09-50107-56  | CERAMIC FILTER | 10MHz7 SFE        |       | D802         | 1N4148        | GE DIODE       | OW02-04148-81       |       |
| CF102        | OW09-50107-56  | CERAMIC FILTER | 10MHz7 SFE        |       | △D901        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CF103        | OW09-50107-06  | CERAMIC FILTER | 10.7MJ-A (Murata) |       | △D902        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CF104        | OW09-50450-80  | CER.FILTER     | SFU450B 450kHz    |       | △D903        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CF105        | OW09-50107-87  | CER.FILTER     | LT10.7MG82        |       | △D904        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CN101        | OW12-00007-82  | FM ANTENNA     | 75Ω TC-103        |       | △D905        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CN102        | OW20-12020-81  | CONNECTOR      | 2P                |       | △D906        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CN103        | OW20-11090-80  | CONNECTOR      | 9P                |       | △D907        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CN202        | OW20-41092-57  | CONNECTOR WIRE | 9P                |       | △D908        | 1N4001        | DIODE          | OW02-04001-81       |       |
| CN203        | OW20-11070-80  | CONNECTOR      | 7P                |       |              |               |                |                     |       |
| CN301        | OW20-12030-80  | CONNECTOR      | 3P                |       | C801         | OW06-75105-20 | E CAPACITOR    | 1uF 50V             |       |
| CN303        | OW20-11080-81  | CONNECTOR      | 8P                |       | C802         | OW06-75105-20 | E CAPACITOR    | 1uF 50V             |       |
| CN401        | OW20-11040-81  | CONNECTOR      | 4P                |       | C803         | OW05-77561-05 | C CAPACITOR    | 560pF               |       |
| CN402        | OW20-12100-80  | CONNECTOR      | 10P               |       | C804         | OW05-77561-05 | C CAPACITOR    | 560pF               |       |
| CN481        | OW20-12020-80  | CONNECTOR      | 2P                |       | C805         | OW06-72106-20 | E CAPACITOR    | 10uF 25V            |       |
| CN602        | OW20-11030-80  | CONNECTOR      | 3P                |       | C806         | OW06-72476-20 | E CAPACITOR    | 47uF 25V            |       |
| CN603        | OW20-12030-80  | CONNECTOR      | 3P                |       | C807         | OW05-77104-82 | C CAPACITOR    | Axial 0.1uF         |       |
| CN801        | OW12-00006-80  | CONNECTOR      |                   |       | △C808        | OW06-73338-20 | E CAPACITOR    | 3300uF 35V          |       |
| CON80 1      | OW20-12040-80  | CONNECTOR      | 4P                |       | △C809        | OW06-73338-20 | E CAPACITOR    | 3300uF 35V          |       |
| FP101        | OW00-20001-02  | TUNER PAD      | KST-F404VA-1      |       | C810         | OW05-77104-82 | C CAPACITOR    | Axial 0.1uF         |       |
| FP101        | OW68-90033-80  | COPPER FOIL    | 41 X 18mm         |       | C811         | OW06-75225-20 | E CAPACITOR    | 2.2uF 50V           |       |
| J132         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C813         | OW06-72476-20 | E CAPACITOR    | 47uF 25V            |       |
| J133         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C814         | OW06-72476-20 | E CAPACITOR    | 47uF 25V            |       |
| J134         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C815         | OW05-72104-10 | M CAPACITOR    | 0.1uF               |       |
| J135         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C816         | OW05-72104-10 | M CAPACITOR    | 0.1uF               |       |
| J221         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C821         | OW05-77101-05 | C CAPACITOR    | Axial 100pF         |       |
| J413         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W           |       | C822         | OW05-77101-05 | C CAPACITOR    | Axial 100pF         |       |
| JK301        | OW12-21315-01  | AUX JACK       | CKX3.5-02-5P      |       | C823         | OW05-77101-05 | C CAPACITOR    | Axial 100pF         |       |
| JK401        | OW12-21315-00  | PHONE JACK     | CKS3.5-02J5P2K    |       | △C901        | OW06-71338-81 | E CAPACITOR    | 3300uF 16V          |       |
| TIEE11       | OW31-50040-80  | UL WIRE        | 40mm BLK          |       | C902         | OW05-77223-82 | C CAPACITOR    | Axial 0.022uF       |       |

## Power board

Block No. [0][2]

| △ Symbol No. | Part No.      | Part Name   | Description   | Local |
|--------------|---------------|-------------|---------------|-------|
| △IC801       | LM4731TA      | IC          | OW03-04731-80 |       |
| △IC901       | RS602         | IC          | OW02-00602-80 |       |
| Q801         | 8050          | TRANSISTOR  | OW01-08050-81 |       |
| Q803         | 8050          | TRANSISTOR  | OW01-08050-81 |       |
| Q804         | 2SC945-P      | TRANSISTOR  | OW01-00945-80 |       |
| D802         | 1N4148        | GE DIODE    | OW02-04148-81 |       |
| △D901        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D902        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D903        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D904        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D905        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D906        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D907        | 1N4001        | DIODE       | OW02-04001-81 |       |
| △D908        | 1N4001        | DIODE       | OW02-04001-81 |       |
| C801         | OW06-75105-20 | E CAPACITOR | 1uF 50V       |       |
| C802         | OW06-75105-20 | E CAPACITOR | 1uF 50V       |       |
| C803         | OW05-77561-05 | C CAPACITOR | 560pF         |       |
| C804         | OW05-77561-05 | C CAPACITOR | 560pF         |       |
| C805         | OW06-72106-20 | E CAPACITOR | 10uF 25V      |       |
| C806         | OW06-72476-20 | E CAPACITOR | 47uF 25V      |       |
| C807         | OW05-77104-82 | C CAPACITOR | Axial 0.1uF   |       |
| △C808        | OW06-73338-20 | E CAPACITOR | 3300uF 35V    |       |
| △C809        | OW06-73338-20 | E CAPACITOR | 3300uF 35V    |       |
| C810         | OW05-77104-82 | C CAPACITOR | Axial 0.1uF   |       |
| C811         | OW06-75225-20 | E CAPACITOR | 2.2uF 50V     |       |
| C813         | OW06-72476-20 | E CAPACITOR | 47uF 25V      |       |
| C814         | OW06-72476-20 | E CAPACITOR | 47uF 25V      |       |
| C815         | OW05-72104-10 | M CAPACITOR | 0.1uF         |       |
| C816         | OW05-72104-10 | M CAPACITOR | 0.1uF         |       |
| C821         | OW05-77101-05 | C CAPACITOR | Axial 100pF   |       |
| C822         | OW05-77101-05 | C CAPACITOR | Axial 100pF   |       |
| C823         | OW05-77101-05 | C CAPACITOR | Axial 100pF   |       |
| △C901        | OW06-71338-81 | E CAPACITOR | 3300uF 16V    |       |
| C902         | OW05-77223-82 | C CAPACITOR | Axial 0.022uF |       |

| △ Symbol No. | Part No.       | Part Name      | Description    | Local | △ Symbol No. | Part No.       | Part Name   | Description   | Local |
|--------------|----------------|----------------|----------------|-------|--------------|----------------|-------------|---------------|-------|
| C903         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | D704         | ELT-3142D      | LED         | OW02-30022-82 |       |
| C904         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C701         | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C905         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C702         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       |
| C906         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C703         | OW06-76108-01  | E CAPACITOR | 1000uF 6.3V   |       |
| △ C907       | OW06-72108-81  | E CAPACITOR    | 1000uF 25V     |       | C704         | OW06-76108-01  | E CAPACITOR | 1000uF 6.3V   |       |
| C908         | OW05-77104-82  | C CAPACITOR    | Axial 0.1uF    |       | C705         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       |
| C909         | OW05-77104-82  | C CAPACITOR    | Axial 0.1uF    |       | C706         | OW06-70106-81  | E CAPACITOR | 10uF 10V      |       |
| C910         | OW05-77104-82  | C CAPACITOR    | Axial 0.1uF    |       | C707         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       |
| C911         | OW05-77104-82  | C CAPACITOR    | Axial 0.1uF    |       | C708         | OW06-70227-81  | E CAPACITOR | 220uF 10V     |       |
| C912         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C709         | OW05-73102-00  | C CAPACITOR | 1000pF        |       |
| C913         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C713         | OW05-73240-05  | C CAPACITOR | 24pF          |       |
| C914         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C714         | OW05-73560-05  | C CAPACITOR | 56pF          |       |
| C915         | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C715         | OW05-73240-05  | C CAPACITOR | 24pF          |       |
| C901A        | OW05-77223-82  | C CAPACITOR    | Axial 0.022uF  |       | C716         | OW05-73200-05  | C CAPACITOR | 20pF          |       |
| R801         | OW07-74102-50T | C RESISTOR     | 1KΩ 1/8W       |       | C717         | OW05-73200-05  | C CAPACITOR | 20pF          |       |
| R802         | OW07-74102-50T | C RESISTOR     | 1KΩ 1/8W       |       | C718         | OW06-70476-81  | E CAPACITOR | 47uF 10V      |       |
| R803         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       | C721         | OW06-70107-81  | E CAPACITOR | 100uF 10V     |       |
| R804         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       | C722         | OW06-70476-81  | E CAPACITOR | 47uF 10V      |       |
| R805         | OW07-74153-50T | C RESISTOR     | 15KΩ 1/8W      |       | C723         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       |
| R806         | OW07-74223-50T | C RESISTOR     | 22KΩ 1/8W      |       | C724         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| R809         | OW07-74333-50T | C RESISTOR     | 33KΩ 1/8W      |       | C725         | OW05-73223-00  | C CAPACITOR | 0.022uF       |       |
| R811         | OW07-74473-50T | C RESISTOR     | 47KΩ 1/8W      |       | C728         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       |
| R812         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       | C771         | OW06-70225-81  | E CAPACITOR | 2.2uF 10V     |       |
| R813         | OW07-74563-50T | C RESISTOR     | 56KΩ 1/8W      |       | C772         | OW05-73271-05  | C CAPACITOR | 270pF         |       |
| R814         | OW07-74563-50T | C RESISTOR     | 56KΩ 1/8W      |       | C773         | OW05-73561-05  | C CAPACITOR | 560pF         |       |
| R815         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       | C774         | OW06-70107-81  | E CAPACITOR | 100uF 10V     |       |
| R816         | OW07-74104-50T | C RESISTOR     | 100KΩ 1/8W     |       | C775         | OW06-70107-81  | E CAPACITOR | 100uF 10V     |       |
| R817         | OW07-74223-50T | C RESISTOR     | 22KΩ 1/8W      |       | C776         | OW05-73470-05  | C CAPACITOR | 47pF          |       |
| R818         | OW07-74102-50T | C RESISTOR     | 1KΩ 1/8W       |       | C777         | OW05-73470-05  | C CAPACITOR | 47pF          |       |
| R819         | OW07-74223-50T | C RESISTOR     | 22KΩ 1/8W      |       |              |                |             |               |       |
| R820         | OW07-74102-50T | C RESISTOR     | 1KΩ 1/8W       |       | R702         | OW07-75000-06F | C RESISTOR  | 0Ω 1/16W      |       |
| △ R821       | OW07-74022-00T | C RESISTOR     | 2.2Ω 1/4W      |       | R703         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| △ R822       | OW07-74022-00T | C RESISTOR     | 2.2Ω 1/4W      |       | R704         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| R823         | OW07-74047-50T | C RESISTOR     | 4.7Ω 1/8W      |       | R706         | OW07-75153-06  | C RESISTOR  | 15KΩ 1/16W    |       |
| R824         | OW07-74047-50T | C RESISTOR     | 4.7Ω 1/8W      |       | R707         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
|              |                |                |                |       | R708         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| L801         | OW09-34004-80  | CHOKE COIL     | Spring 2mH 34T |       | R709         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| L802         | OW09-34004-80  | CHOKE COIL     | Spring 2mH 34T |       | R710         | OW07-75332-06  | C RESISTOR  | 3.3KΩ 1/16W   |       |
| L803         | OW09-00068-80  | CHOKE COIL     | 6.8mH          |       | R711         | OW07-75222-06  | C RESISTOR  | 2.2KΩ 1/16W   |       |
| L804         | OW09-00068-80  | CHOKE COIL     | 6.8mH          |       | R712         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| CN801        | OW20-61010-83  | CONNECTOR WIRE | 10PIN          |       | R713         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| CN802        | OW20-42041-87  | CONNECTOR WIRE | 4PIN           |       | R714         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| LJ801        | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz   |       | R715         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| LJ802        | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz   |       | R716         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       |
| LJ803        | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz   |       | R718         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| LJ804        | OW08-04344-73  | FERRITE BEAD   | 700 / 100MHz   |       | R719         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW08-04344-53  | FERRITE CORE   | CN802 WIRE     |       | R720         | OW07-75100-06  | C RESISTOR  | 10Ω 1/16W     |       |
| XXXXX        | OW08-04344-53  | FERRITE CORE   | For AC Cord    |       | R721         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW08-04344-53  | FERRITE CORE   | For CN801      |       | R722         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW11-20003-01  | POWER PCB      |                |       | R723         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW37-00020-80  | EYELET         | D=2 X 4mm(x7)  |       | R724         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW84-00003-80  | CABLE TIE      | 4 UL(x4)       |       | R725         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |
| XXXXX        | OW84-00005-80  | CABLE TIE      | 6.5 UL(x9)     |       | R726         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       |

## Display board

Block No. [0][3]

| △ Symbol No. | Part No.      | Part Name  | Description   | Local |               |            |            |  |
|--------------|---------------|------------|---------------|-------|---------------|------------|------------|--|
| IC701        | OW03-87261-86 | IC         | TMP87EP26F-4K |       |               |            |            |  |
| IC702        | SC6579A       | IC         | OW03-06579-80 |       |               |            |            |  |
| Q702         | 9013          | TRANSISTOR | OW01-09013-85 |       |               |            |            |  |
| Q703         | 9013          | TRANSISTOR | OW01-09013-85 |       |               |            |            |  |
| Q704         | 9013          | TRANSISTOR | OW01-09013-85 |       |               |            |            |  |
| Q705         | 9013          | TRANSISTOR | OW01-09013-85 |       |               |            |            |  |
| Q771         | 8550          | TRANSISTOR | OW01-08550-86 |       |               |            |            |  |
| Q772         | 9013          | TRANSISTOR | OW01-09013-85 |       |               |            |            |  |
| D701         | 1N4148        | DIODE      | OW02-04148-80 |       |               |            |            |  |
| D702         | 1N4148        | DIODE      | OW02-04148-80 |       |               |            |            |  |
| D703         | 1N4148        | DIODE      | OW02-04148-80 |       |               |            |            |  |
|              |               |            |               | R749  | OW07-75103-06 | C RESISTOR | 10KΩ 1/16W |  |
|              |               |            |               | R750  | OW07-75103-06 | C RESISTOR | 10KΩ 1/16W |  |
|              |               |            |               | R751  | OW07-75103-06 | C RESISTOR | 10KΩ 1/16W |  |

| △ Symbol No. | Part No.       | Part Name      | Description         | Local |
|--------------|----------------|----------------|---------------------|-------|
| R752         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R753         | OW07-75471-06  | C RESISTOR     | 470Ω 1/16W          |       |
| R754         | OW07-75912-06  | C RESISTOR     | 9.1KΩ 1/16W         |       |
| R755         | OW07-75272-06  | C RESISTOR     | 2.7 KΩ 1/16W        |       |
| R756         | OW07-75392-06  | C RESISTOR     | 3.9 KΩ 1/16W        |       |
| R757         | OW07-75563-06  | C RESISTOR     | 56KΩ 1/16W          |       |
| R758         | OW07-75750-06  | C RESISTOR     | 75Ω 1/16W           |       |
| R759         | OW07-75471-06  | C RESISTOR     | 470Ω 1/16W          |       |
| R760         | OW07-75152-06  | C RESISTOR     | 1.5KΩ 1/16W         |       |
| R761         | OW07-75362-06  | C RESISTOR     | 3.6KΩ 1/16W         |       |
| R762         | OW07-75182-06  | C RESISTOR     | 1.8KΩ 1/16W         |       |
| R763         | OW07-75563-06  | C RESISTOR     | 56KΩ 1/16W          |       |
| R764         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R765         | OW07-75682-06  | C RESISTOR     | 6.8KΩ 1/16W         |       |
| R766         | OW07-75472-06  | C RESISTOR     | 4.7KΩ 1/16W         |       |
| R771         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R772         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R773         | OW07-75122-06  | C RESISTOR     | 1.2 KΩ 1/16W        |       |
| R774         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R775         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R776         | OW07-75393-06  | C RESISTOR     | 39KΩ 1/16W          |       |
| R777         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| R780         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W           |       |
| R781         | OW07-75000-06F | C RESISTOR     | 0Ω 1/16W            |       |
| R782         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W           |       |
| R788         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W          |       |
| L701         | OW09-70102-80  | LEAD INDUCTOR  | Axial 100mH         |       |
| L702         | OW09-70102-80  | LEAD INDUCTOR  | Axial 100mH         |       |
| L706         | OW09-70102-82T | COIL           | 100mH               |       |
| L771         | OW09-70102-82T | COIL           | 100mH               |       |
| L772         | OW09-70102-82T | COIL           | 100mH               |       |
| CN701        | OW20-41092-81  | CONNECTOR WIRE | 9P                  |       |
| CN702        | OW20-41082-48  | CONNECTOR WIRE | 8P                  |       |
| CN703        | OW20-41032-83  | CONNECTOR WIRE | 3PIN                |       |
| CN704        | OW20-41072-80  | CONNECTOR WIRE | 7P                  |       |
| CN706        | OW20-41102-84  | CONNECTOR WIRE |                     |       |
| CN707        | OW20-42021-84  | CONNECTOR WIRE | 2PIN                |       |
| CN708        | OW20-41021-80  | CONNECTOR WIRE | 2P                  |       |
| J730         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J731         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J732         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J733         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J734         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J735         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J736         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J737         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J739         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J740         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J741         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J742         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J743         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J744         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J745         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| J746         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W             |       |
| RV701        | OW18-92040-86  | ENCODER VOL.   | EC162102 FIB-HA1-24 |       |
| SEN701       | OW02-66038-80  | SENSOR         | FM-6038TM2-5A       |       |
| SW701        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW702        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW703        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW704        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW705        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW706        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW707        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW708        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW709        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| SW710        | OW16-10101-80  | TACT SWITCH    | EVQJAE 05R          |       |
| X701         | OW09-50720-80  | CER. RESONATOR | ZTA7.2MT            |       |
| X702         | OW04-32768-80  | C CAPACITOR    | 2pF NPO             |       |
| X771         | OW04-04332-80  | CRYSTAL        | 4.332MHz            |       |
| XXXXX        | OW08-04344-14  | FERRITE CORE   | FOR CN707           |       |
| XXXXX        | OW11-20003-03  | DISPLAY PCB    |                     |       |
| XXXXX        | OW31-20080-60  | WIRE           | PGND2 TO CD         |       |
| XXXXX        | OW84-00003-80  | CABLE TIE      | PCB P4              |       |
| XXXXX        | OW84-00005-80  | CABLE TIE      | 4 UL(x2)            |       |
| XXXXX        | OW84-00005-80  | CABLE TIE      | 6.5 UL(x2)          |       |

| △ Symbol No.    | Part No.      | Part Name   | Description   | Local |
|-----------------|---------------|-------------|---------------|-------|
| △ Z702          | 8.2V0.5W      | Z DIODE     | OW02-50082-80 |       |
| <b>CD board</b> |               |             |               |       |
| △ Symbol No.    | Part No.      | Part Name   | Description   | Local |
| IC601           | TC94A14FA     | CD LSI IC   | OW03-09414-80 |       |
| IC602           | TA2157FN      | IC          | OW03-02157-80 |       |
| IC603           | TA2092AN      | IC          | OW03-02092-81 |       |
| IC604           | TC94A02F      | IC          | OW03-09402-80 |       |
| IC605           | ASTC31024B-15 | IC          | OW03-31024-81 |       |
| IC606           | SN74HC14DR    | IC          | OW03-07414-82 |       |
| △ IC607         | PJ7805        | IC          | OW03-07805-82 |       |
| D601            | 1N4148        | GE DIODE    | OW02-04148-81 |       |
| C600            | OW05-73102-05 | C CAPACITOR | 1000pF 50V    |       |
| C601            | OW06-70227-20 | E CAPACITOR | 220uF 10V     |       |
| C602            | OW06-71476-21 | E CAPACITOR | 47uF 10V      |       |
| C603            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C604            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C605            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C606            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C607            | OW06-70477-20 | E CAPACITOR | 470uF 10V     |       |
| C608            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C609            | OW06-70227-20 | E CAPACITOR | 220uF 10V     |       |
| C610            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C611            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| △ C612          | OW06-70108-20 | E CAPACITOR | 1000uF 10V    |       |
| C613            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C614            | OW05-73473-00 | C CAPACITOR | 0.047uF       |       |
| C620            | OW06-70477-20 | E CAPACITOR | 470uF 10V     |       |
| C621            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C622            | OW06-71107-20 | E CAPACITOR | 100uF 16V     |       |
| C623            | OW05-73030-05 | C CAPACITOR | 3pF 50V       |       |
| C624            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C625            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C626            | OW05-73680-05 | C CAPACITOR | 68pF          |       |
| C627            | OW05-73393-00 | C CAPACITOR | 0.039nF       |       |
| C628            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C629            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C630            | OW05-73472-00 | C CAPACITOR | 4700pF        |       |
| C631            | OW05-73470-05 | C CAPACITOR | 47pF          |       |
| C632            | OW05-73153-00 | C CAPACITOR | 0.015uF       |       |
| C633            | OW06-70477-20 | E CAPACITOR | 470uF 10V     |       |
| C634            | OW05-73103-00 | C CAPACITOR | 0.01uF        |       |
| C635            | OW05-73272-00 | C CAPACITOR | 2700pF        |       |
| C636            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C638            | OW05-73333-00 | C CAPACITOR | 0.033nF       |       |
| C639            | OW05-73333-00 | C CAPACITOR | 0.033nF       |       |
| C640            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C641            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C642            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C643            | OW06-71476-21 | E CAPACITOR | 47uF 10V      |       |
| C644            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C645            | OW06-70225-01 | E CAPACITOR | 2.2nF         |       |
| C648            | OW05-73473-00 | C CAPACITOR | 0.047uF       |       |
| C649            | OW05-73473-00 | C CAPACITOR | 0.047uF       |       |
| C650            | OW05-73471-00 | C CAPACITOR | 470pF         |       |
| C651            | OW05-73471-00 | C CAPACITOR | 470pF         |       |
| C652            | OW05-77223-82 | C CAPACITOR | Axial 0.022uF |       |
| C653            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C656            | OW06-71476-20 | E CAPACITOR | 47uF 16V      |       |
| C657            | OW05-77223-82 | C CAPACITOR | Axial 0.022uF |       |
| C658            | OW05-73104-00 | C CAPACITOR | 0.1uF         |       |
| C659            | OW05-77473-82 | C CAPACITOR | 0.047uF       |       |

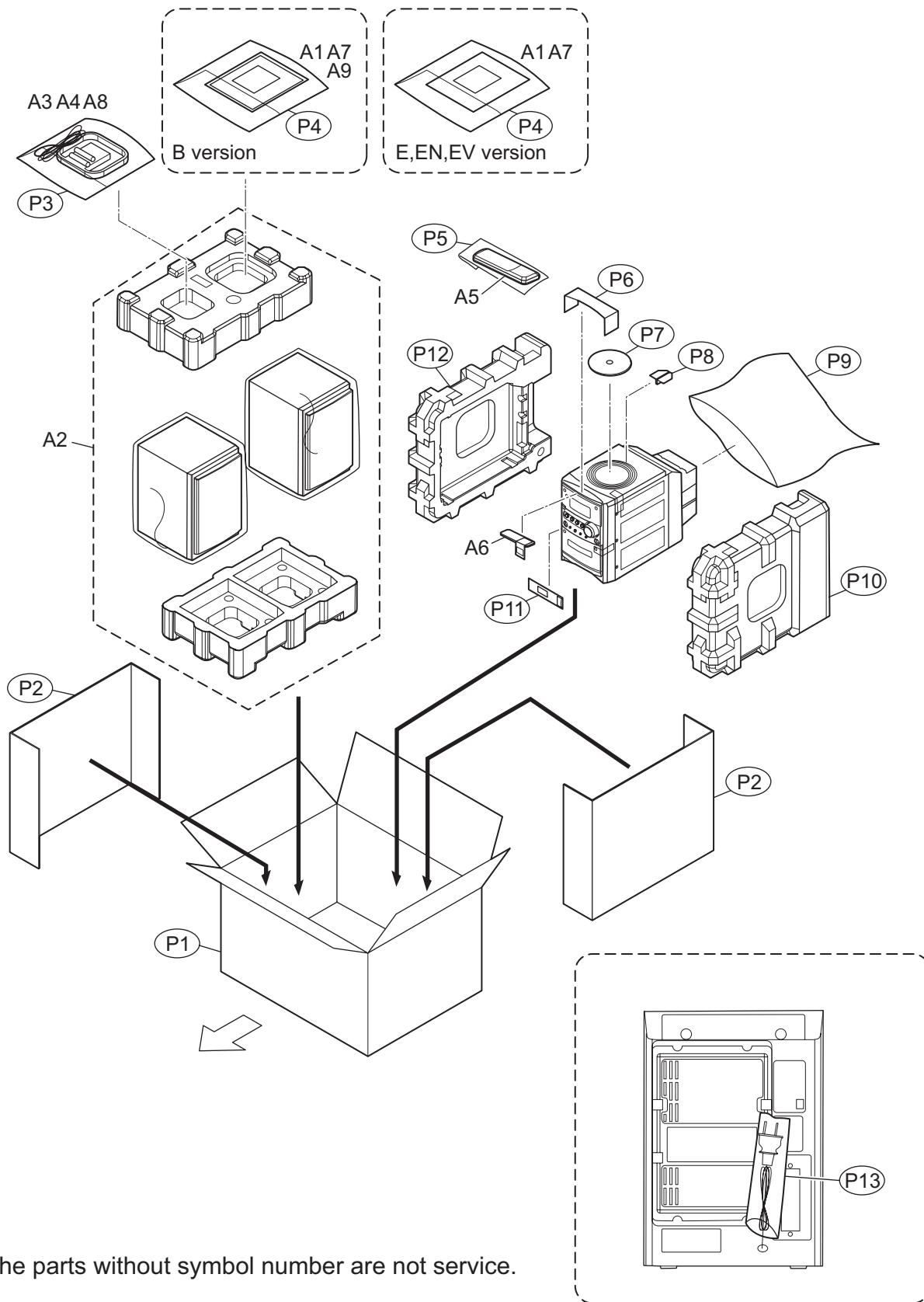
| △ Symbol No. | Part No.       | Part Name   | Description   | Local | △ Symbol No. | Part No.       | Part Name      | Description    | Local |
|--------------|----------------|-------------|---------------|-------|--------------|----------------|----------------|----------------|-------|
| C660         | OW05-73473-00  | C CAPACITOR | 0.047uF       |       | R642         | OW07-75472-06  | C RESISTOR     | 4.7KΩ 1/16W    |       |
| C661         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R643         | OW07-75472-06  | C RESISTOR     | 4.7KΩ 1/16W    |       |
| C662         | OW05-77104-82  | C CAPACITOR | Axial 0.1uF   |       | R644         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C663         | OW05-77104-82  | C CAPACITOR | Axial 0.1uF   |       | R645         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C664         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R646         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C665         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R647         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C666         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R648         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C667         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R649         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C668         | OW06-70477-20  | E CAPACITOR | 470uF 10V     |       | R650         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| C669         | OW06-72106-20  | E CAPACITOR | 10uF 25V      |       | R652         | OW07-75332-06  | C RESISTOR     | 3.3KΩ 1/16W    |       |
| C671         | OW05-77223-82  | C CAPACITOR | Axial 0.022uF |       | R653         | OW07-75562-06  | C RESISTOR     | 5.6KΩ 1/16W    |       |
| C672         | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       | R654         | OW07-75100-06  | C RESISTOR     | 10Ω 1/16W      |       |
| C673         | OW05-73334-00  | C CAPACITOR | 0.33uF        |       | R655         | OW07-75105-06  | C RESISTOR     | 1MΩ 1/16W      |       |
| C674         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R656         | OW07-74561-50T | C RESISTOR     | 560Ω 1/8W      |       |
| C675         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R657         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C676         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R658         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C679         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R659         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C680         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R660         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C681         | OW06-71476-21  | E CAPACITOR | 47uF 10V      |       | R661         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C682         | OW06-71476-20  | E CAPACITOR | 47uF 16V      |       | R662         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C683         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R663         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C684         | OW05-73222-00  | C CAPACITOR | 2200pF        |       | R664         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C685         | OW05-73222-00  | C CAPACITOR | 2200pF        |       | R665         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C686         | OW06-71107-20  | E CAPACITOR | 100uF 16V     |       | R666         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C687         | OW06-71107-20  | E CAPACITOR | 100uF 16V     |       | R667         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C688         | OW05-73222-00  | C CAPACITOR | 2200pF        |       | R668         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C689         | OW05-73222-00  | C CAPACITOR | 2200pF        |       | R669         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C690         | OW06-70227-20  | E CAPACITOR | 220uF 10V     |       | R670         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C691         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R671         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C692         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R672         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C693         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R673         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C694         | OW05-73102-05  | C CAPACITOR | 1000pF 50V    |       | R674         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C695         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R675         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C696         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R676         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C697         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R677         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C698         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R678         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C699         | OW05-73221-03  | C CAPACITOR | 220pF         |       | R679         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C699         | OW06-71476-21  | E CAPACITOR | 47uF 10V      |       | R680         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C699         | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R681         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C6100        | OW05-77101-05  | C CAPACITOR | Axial 100pF   |       | R684         | OW07-74472-50T | C RESISTOR     | 4.7 KΩ 1/8W    |       |
| C656A        | OW06-71476-20  | E CAPACITOR | 47uF 16V      |       | R685         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       |
| C6631        | OW05-77223-82  | C CAPACITOR | Axial 0.022uF |       | R687         | OW07-75225-06  | C RESISTOR     | 2.2MΩ 1/16W    |       |
| C6651        | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R688         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| C670A        | OW05-73104-00  | C CAPACITOR | 0.1uF         |       | R689         | OW07-75271-06  | C RESISTOR     | 270Ω 1/16W     |       |
| C672A        | OW05-73221-03  | C CAPACITOR | 220pF         |       | R690         | OW07-75271-06  | C RESISTOR     | 270Ω 1/16W     |       |
| R602         | OW07-75561-06  | C RESISTOR  | 560Ω 1/16W    |       | R691         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| R604         | OW07-75561-06  | C RESISTOR  | 560Ω 1/16W    |       | R692         | OW07-74103-50T | C RESISTOR     | 10KΩ 1/8W      |       |
| R605         | OW07-75331-06  | C RESISTOR  | 330Ω 1/16W    |       | R693         | OW07-75222-06  | C RESISTOR     | 2.2KΩ 1/16W    |       |
| R606         | OW07-75121-06  | C RESISTOR  | 120Ω 1/16W    |       | R694         | OW07-75102-06  | C RESISTOR     | 1KΩ 1/16W      |       |
| R608         | OW07-75472-06  | C RESISTOR  | 4.7KΩ 1/16W   |       | R695         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| R610         | OW07-75100-06  | C RESISTOR  | 10Ω 1/16W     |       | R696         | OW07-75103-06  | C RESISTOR     | 10KΩ 1/16W     |       |
| R615         | OW07-75823-06  | C RESISTOR  | 82KΩ 1/16W    |       | R697         | OW07-75222-06  | C RESISTOR     | 2.2KΩ 1/16W    |       |
| R616         | OW07-75184-06  | C RESISTOR  | 180KΩ 1/16W   |       | R698         | OW07-74472-50T | C RESISTOR     | 4.7 KΩ 1/8W    |       |
| R617         | OW07-75184-06  | C RESISTOR  | 180KΩ 1/16W   |       | R699         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R618         | OW07-75184-06  | C RESISTOR  | 180KΩ 1/16W   |       | R700         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R619         | OW07-75184-06  | C RESISTOR  | 180KΩ 1/16W   |       | R701         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R620         | OW07-75823-06  | C RESISTOR  | 82KΩ 1/16W    |       | R702         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R621         | OW07-75101-06  | C RESISTOR  | 100Ω 1/16W    |       | R703         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R622         | OW07-75223-06  | C RESISTOR  | 22KΩ 1/16W    |       | R704         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R623         | OW07-75333-06  | C RESISTOR  | 33 KΩ 1/16W   |       | R705         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R624         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       | R706         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R625         | OW07-75222-06  | C RESISTOR  | 2.2KΩ 1/16W   |       | R707         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R626         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       | R708         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R627         | OW07-75101-06  | C RESISTOR  | 100Ω 1/16W    |       | R709         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R628         | OW07-75102-06  | C RESISTOR  | 1KΩ 1/16W     |       | R710         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R629         | OW07-75273-06  | C RESISTOR  | 27KΩ 1/16W    |       | R711         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R631         | OW07-74332-50T | C RESISTOR  | 3.3KΩ 1/8W    |       | R712         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R632         | OW07-75562-06  | C RESISTOR  | 5.6KΩ 1/16W   |       | R713         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R633         | OW07-75473-06  | C RESISTOR  | 47KΩ 1/16W    |       | R714         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R634         | OW07-75474-06  | C RESISTOR  | 470KΩ 1/16W   |       | R715         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R635         | OW07-75153-06  | C RESISTOR  | 15KΩ 1/16W    |       | R716         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R636         | OW07-75225-06  | C RESISTOR  | 2.2MΩ 1/16W   |       | R717         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R637         | OW07-75103-06  | C RESISTOR  | 10KΩ 1/16W    |       | R718         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R638         | OW07-75222-06  | C RESISTOR  | 2.2KΩ 1/16W   |       | R719         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R639         | OW07-75222-06  | C RESISTOR  | 2.2KΩ 1/16W   |       | R720         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R640         | OW07-75222-06  | C RESISTOR  | 2.2KΩ 1/16W   |       | R721         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
| R641         | OW07-75472-06  | C RESISTOR  | 4.7KΩ 1/16W   |       | R722         | OW07-75221-06  | C RESISTOR     | 220Ω 1/16W     |       |
|              |                |             |               |       | R601         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246 |       |
|              |                |             |               |       | R602         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246 |       |
|              |                |             |               |       | R603         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R604         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R605         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R606         | OW07-74101-50T | C RESISTOR     | 100Ω 1/8W      |       |
|              |                |             |               |       | R607         | OW09-70471-82  | COIL           | 47mH           |       |
|              |                |             |               |       | R608         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R609         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R610         | OW09-70471-80  | LEAD INDUCTOR  | Axial 47mH     |       |
|              |                |             |               |       | R611         | OW09-70101-80  | LEAD INDUCTOR  | Axial 0mH      |       |
|              |                |             |               |       | R612         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246 |       |
|              |                |             |               |       | R613         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246 |       |
|              |                |             |               |       | R614         | OW08-01122-80  | FERRITE BEAD   | RH03509ST-B246 |       |
|              |                |             |               |       | CN601        | OW20-80160-80  | FFC WIRE       | 16P            |       |
|              |                |             |               |       | CN602        | OW20-41061-85  | CONNECTOR WIRE | 6PIN           |       |

| △ Symbol No. | Part No.       | Part Name      | Description        | Local |
|--------------|----------------|----------------|--------------------|-------|
| CN603        | OW20-21030-80  | CONNECTOR      | 3P                 |       |
| CN604        | OW20-41032-87  | CONNECTOR WIRE | 3PIN               |       |
| CN605        | OW20-32032-80  | CONNECTOR WIRE | 3PIN               |       |
| CN606        | OW20-21100-80  | CONNECTOR      | 10P                |       |
| J601         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J605         | OW07-75000-06F | C RESISTOR     | 0Ω 1/16W           |       |
| J606         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J607         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J608         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J614         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J615         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J625         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J630         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J635         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J642         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J656         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J657         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J670         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J671         | OW07-75471-06  | C RESISTOR     | 470Ω 1/16W         |       |
| J672         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| J674         | OW07-75001-05F | C RESISTOR     | 0Ω 1/8W            |       |
| P1           | OW31-50040-80  | UL WIRE        | 40mm BLK           |       |
| X601         | OW09-51693-80  | CER. RESONATOR | 16.9344MHz         |       |
| XXXXX        | OW25-61090-80  | FFC WIRE       | CD PickUp to CN601 |       |
| XXXXX        | OW08-04344-14  | FERRITE CORE   | For CD Audio       |       |
| XXXXX        | OW08-04344-23  | FERRITE CORE   | For CD Power       |       |
| XXXXX        | OW39-00013-80  | HEAT SINK      | For IC603          |       |
| XXXXX        | OW39-09025-84  | HEAT SINK      | For IC607          |       |
| XXXXX        | OW31-20060-60  | WIRE           | P3 TO CD MECH      |       |
| XXXXX        | OW11-20003-02  | CD PCB         |                    |       |
| △ZD601       | 3.9V0.5W       | Z DIODE        | OW02-50039-80      |       |
| △ZD602       | 3.3V0.5W       | Z DIODE        | OW02-50033-80      |       |
| △ZD603       | 3.3V0.5W       | Z DIODE        | OW02-50033-80      |       |
| △ZD604       | 3.9V0.5W       | Z DIODE        | OW02-50039-80      |       |

# Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDS are available.



The parts without symbol number are not service.

## Packing and Accessories

Block No. [M][3][M][M]

| △    | Symbol No. | Part No.       | Part Name      | Description                              | Local                         |
|------|------------|----------------|----------------|--|-------------------------------|
| A 1  |            | OW88-20003-05  | INST BOOK      | ENG LVT1364-002B                         | UXG3_B,UXG4_B                 |
| A 1  |            | OW88-20003-02  | INST BOOK      | GER FRE DUT LVT1364-003B                 | UXG3_E,UXG4_E                 |
| A 1  |            | OW88-20003-06  | INST BOOK      | SWE FIN DAN GER FRE SPA ITA LVT1364-004B | UXG3_EN,UXG4_EN               |
| A 1  |            | OW88-20003-07  | INST BOOK      | CZE POL HUN RUS lvt1364-005a             | UXG3_EV,UXG4_EV               |
| A 2  |            | OW00-20003-00  | SPEAKER BOX    | 25W 4Ω                                   | UXG3_B,UXG3_E,UXG3_EN,UXG3_EV |
| A 2  |            | OW00-20004-01  | SPEAKER BOX    | 25W 4Ω                                   | UXG4_B,UXG4_E,UXG4_EN,UXG4_EV |
| A 3  |            | OW23-04910-80  | AM LOOP ANT    |  |                               |
| A 4  | -----      |                | BATTERY        | (x2)                                     |                               |
| A 5  |            | OWV-REJVCUXG3  | REMOTE CONTROL |  |                               |
| A 6  |            | OW89-00300-05  | INSERT CARD    |  |                               |
| A 7  | -----      |                | WARRANTY CARD  | BT-54026-1                               | UXG3_B,UXG3_E,UXG3_EN,UXG3_EV |
| A 7  | -----      |                | WARRANTY CARD  | BT-54026-1                               | UXG4_B,UXG4_E,UXG4_EN,UXG4_EV |
| A 8  |            | OW29-21400-83  | FM ANT         |  |                               |
| A 9  |            | OW88-30000-83  | USER CARD      |  | UXG3_B,UXG4_B                 |
| P 1  |            | OW89-20003-01  | CARTON         |  | UXG3_B,UXG3_E,UXG3_EN,UXG3_EV |
| P 1  |            | OW89-20003-05  | CARTON         |  | UXG4_B,UXG4_E,UXG4_EN,UXG4_EV |
| P 2  |            | OW89-20003-00  | CARTON SPACER  | (x2)                                     |                               |
| P 3  |            | OW85-90710-84  | POLY BAG       | 7X10                                     |                               |
| P 4  |            | OW85-91014-82  | POLY BAG       | 10X14                                    |                               |
| P 5  |            | OW85-00025-81A | POLY BAG       | 3.5X10                                   |                               |
| P 6  |            | OW81-00300-03  | PROTECT SHEET  |  |                               |
| P 7  |            | OW81-01000-80  | CUSHION        | F16XF17X2                                |                               |
| P 8  |            | OW89-01182-81  | CD PROTECT     |  |                               |
| P 9  |            | OW85-20003-01  | POLY BAG       | 18X24                                    |                               |
| P 10 |            | OW86-20003-01  | POLYFORM R     |  |                               |
| P 11 |            | OW81-00300-01  | SUPPORT SPONGE |  |                               |
| P 12 |            | OW86-20003-00  | POLYFORM L     |  |                               |
| P 13 |            | OW85-20003-00  | POLY BAG       | 4X13                                     |                               |